



**ABRACON
CORPORATION**

The Power of Linking Together

CRYSTALS & RESONATORS

OSCILLATORS

FILTERS

PRECISION TIMING

MAGNETICS

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CRYSTALS & RESONATORS

NEW! The smallest package size in the industry at 1.6 x 1.2 x 0.46mm!




ABM12 - ULTRA MINIATURE CERAMIC SMD CRYSTAL

SMD Crystals


 ★ **ABM12** 1.6 x 1.2 x 0.40 mm **NEW!**
• Ceramic Ultra Miniature size • 26MHz - 80MHz


 ★ **ABM11** 2.0 x 1.6 x 0.59mm **NEW!**
• Ceramic Ultra Miniature size • 18MHz - 80MHz


 ★ **ABM10** 2.5 x 2.0 x 0.50mm
Ceramic Ultra Miniature size • 16MHz - 55MHz

 ★ **ABM8** 3.2 x 2.5 x 0.7mm
10MHz to 125MHz

 ★ **ABM8G** 3.2 x 2.5 x 1.0mm **NEW!**
Ceramic Glass sealed • 12MHz to 50MHz


 ★ **ABM9** 4.0 x 2.5 x 0.8mm
Ceramic Seam sealed • 12MHz to 32MHz


 ★ **ABM3** 5.0 x 3.2 x 1.3mm
Ceramic Glass sealed • 8MHz to 80MHz
Smaller package alternative for ABM7 series.


 ★ **ABM3B** 5.0 x 3.2 x 1.1mm
Ceramic Seam sealed • 8MHz to 125MHz

 ★ **ABM3C** 5.0 x 3.2 x 1.3mm
Ceramic Glass sealed • 10MHz to 50MHz


 ★ **ABM7** 6.0 x 3.5 x 1.4mm
Ceramic Glass sealed • 8MHz to 50MHz


 ★ **ABMM** 7.2 x 5.2 x 1.3mm
Ceramic Seam sealed • 6MHz to 125MHz


 ★ **ABMM1** 7.2 x 5.2 x 1.1mm
Ceramic Seam sealed • 8MHz to 125MHz

 ★ **ABMM2** 6.0 x 3.6 x 1.2mm
Ceramic Seam sealed • 7.3728MHz to 110MHz


 ★ **ABMM3** 6.0 x 3.5 x 1.3mm
Ceramic Glass sealed • 8MHz to 50MHz


 ★ **ABM2** 8.0 x 4.5 x 1.4mm
Ceramic Glass sealed • 8.0MHz to 100MHz


 ★ **ABMC2** 11.0 x 5.0 x 2.0mm
Ceramic Resistance welded • 3.5MHz to 70MHz


 ★ **ABLSG** 11.4 x 4.7 x 4.2mm **New! With 3rd lead case-grounded, ideal for EMI shielding** • HC49US, Resistance welded • 3.579545 MHz to 75 MHz


 ★ **ABLS-LR** 11.4 x 4.7 x 4.2mm **Ultra Low ESR low frequency crystal!** • HC49US, Resistance welded • 3.0MHz to 36MHz


 ★ **ABLS** 11.4 x 4.7 x 4.2mm
HC49US, Resistance welded • 3.579545MHz to 70MHz


 ★ **ABLS2** 11.4 x 4.7 x 3.3mm **Reduced Height**
HC49US, Resistance welded • 3.579545MHz to 70MHz


 ★ **ABLS3** 11.4 x 4.7 x 2.5/2.6mm **Reduced Height**
HC49US, Resistance welded • 3.579545MHz to 70MHz


 ★ **ABC2** 11.5 x 5.5 x 2.0mm
Ceramic Glass sealed • 3.5MHz to 30MHz

 ★ **ABSM2** 12.5 x 4.6 x 3.7mm
Molded Plastic • 3.579545MHz to 66.6666MHz

 ★ **ABSM3A** 12.5 x 4.85 x 5.1mm
HC49US, Resistance welded • 3.579545MHz to 54MHz

 ★ **ABSM3B** 12.5 x 4.85 x 5.1mm
HC49US, Resistance welded • 3.579545MHz to 60MHz

 ★ **AB308R** 8.8 x 3.0mm
Cylindrical type Reflowable • 4MHz to 70MHz

 ★ **AB310R** 9.8 x 3.0mm
Cylindrical type Reflowable • 3.5MHz to 4MHz


kHz SMD Crystals


 ★ **ABS05** 2.0 x 0.8 x 0.6mm **NEW in 2012! Industry smallest package!** Ultra Low Profile , 32.768kHz

 ★ **ABS06** 2.0 x 1.2 x 0.6mm
Ultra Low Profile , 32.768kHz


 ★ **ABS07** 3.2 x 1.5 x 0.9mm
Low Profile • 32.768kHz


CRYSTALS & RESONATORS


 ★ **ABS09** 4.10 x 1.5 x 0.9mm
Low Profile • 32.768kHz
***Not recommended for new designs. Please consider our reduced size ABS07 or ABS06**


 ★ **ABS10** 4.9 x 1.8 x 1.0mm
Low Profile • 32.768kHz
***Not recommended for new designs. Please consider our reduced size ABS07 or ABS06**


 ★ **ABS13** 6.9 x 1.4 x 1.3mm
Molded Plastic • 32.768kHz

 ★ **AKC13M** 6.9 x 1.4 x 1.3mm **New! Commercial Grade!** Molded Plastic • 32.768kHz


 ★ **ABS25** 8.0 x 3.8 x 2.5mm
Molded Plastic • 32.768kHz, 30kHz to 100kHz

 ★ **AKC25M** 8.0 x 3.8 x 2.5mm **New! Commercial Grade!** Molded Plastic • 32.768kHz, 30kHz to 100kHz


 ★ **AB26TRB** 6.0 x 1.9mm
Cylindrical type Reflowable • 30kHz to 100kHz


 ★ **AB26TRJ** 8.3 x 2.7mm
Cylindrical type Reflowable • 25kHz to 200kHz


Thru-Hole Crystals


 ★ **ABU, ABU5** 7.8 x 8.0 x 3.1mm
UM type Resistance welded • 6MHz to 200MHz


 ★ **ABL** 11.5 x 5.0 x 3.5mm
HC49US Resistance welded • 3.579545MHz to 70MHz

 ★ **ABL2** 11.5 x 5.0 x 2.5mm
HC49US Resistance welded • 3.579545MHz to 70MHz

 ★ **ABL3** 11.5 x 5.0 x 2.0mm
HC49US Resistance welded • 3.579545MHz to 70MHz


 ★ **AB** 11.5 x 13.46 x 5.0mm/19.33 x 19.85 x 9.0mm
HC49U/HC51U Resistance welded • 1.8432MHz to 160MHz

 ★ **AB308** 8.5 x 3.0mm
Cylindrical type • 4.001MHz to 34MHz

 ★ **AB310** 9.8 x 3.2mm
Cylindrical type • 3.50MHz to 3.99MHz


kHz Cylindrical Thru-Hole Crystals

 ★ **AB15T** 5.0 x 1.4mm
Cylindrical type • 32.768kHz


 ★ **AB26T** 6.2 x 2.1mm
Cylindrical type • 32.768kHz, 30kHz to 200kHz

 ★ **AB38T** 8.3 x 3.2mm
Cylindrical type • 32.768kHz

SMD Resonators

 ★ **LXZTS** Dimensions vary per frequency **NEW 2011!**
Low Resonant impedance • 400kHz to 1000kHz

 ★ **AWSZT-CR** Low Resonant impedance
• 4MHz to 8MHz • 4.5 x 2.0 x 1.2mm


 ★ **AWSZT-CV** Low Resonant impedance
• 8MHz to 13MHz, 16MHz to 50MHz • 3.7 x 3.1 mm


 ★ **AWSZT-CW** Low Resonant impedance
• 20MHz to 50MHz • 2.5 x 2.0 x 1.2mm

 ★ **AWSZT-MGD** Low Resonant impedance
• 2.0MHz to 8MHz • 7.4 x 3.4 x 1.8 mm


 ★ **AWSZT-MWD** Low Resonant impedance
• 6MHz to 13MHz • 4.7 x 4.1 mm

 ★ **AWSZT-MXD** Low Resonant impedance
• 13.01MHz to 50MHz • 4.7 x 4.1 mm


 ★ **AWSCR-CE** Built-in capacitance • Low Resonant impedance • 8MHz to 12MHz • 3.2 x 1.3 x 1.0mm

 ★ **AWSCR-CR** Built-in capacitance • Low Resonant impedance • 4MHz to 8MHz • 4.5 x 2.0 x 1.5 mm


 ★ **AWSCR-CV** Built-in capacitance • Low Resonant impedance • 8MHz to 50MHz • 3.7 x 3.1 mm

 ★ **AWSCR-CW** Built-in capacitance • Low Resonant impedance • 20MHz to 48MHz • 2.5 x 2.0 x 1.2mm

 ★ **AWSCR-MGD** Built-in capacitance • Low Resonant impedance • 1.84MHz to 8MHz • 7.4 x 3.4 x 1.8mm


 ★ **AWSCR-MTD** Built-in capacitance • Low Resonant impedance • 6MHz to 50MHz • 4.7 x 4.1 mm


Surge Protectors


 ★ **ABSP10** 1.0 x 0.5 x 0.4mm
Outstanding ESD protection • Very low leakage current 1uA • Extremely low capacitance

Thru-Hole Ceramic Resonators

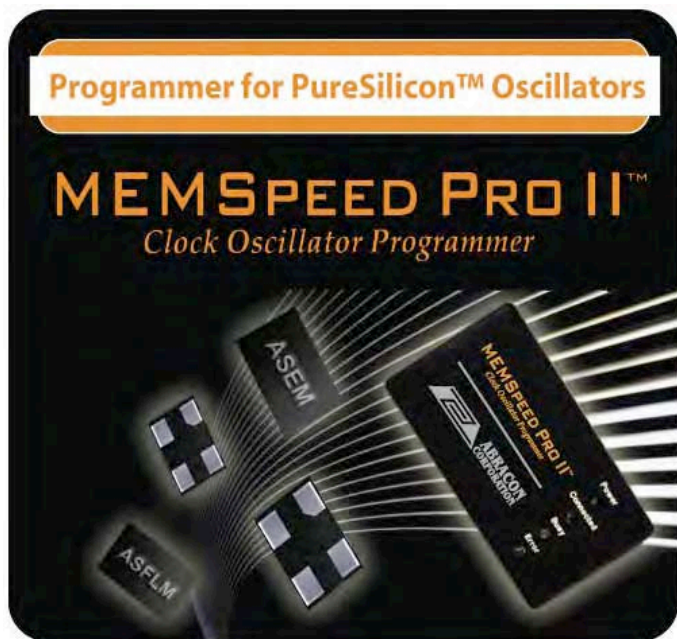
 ★ **HWZT-MD** Dimensions vary per frequency
Low Resonant impedance • 1.79MHz to 6MHz, 12.51MHz to 60MHz

 ★ **HWZT-RS** Dimensions vary per frequency
Low Resonant impedance • 4MHz to 12.5MHz

 ★ **AWCR-MD** Dimensions vary per frequency
Built-in capacitance • Low Resonant impedance • 1.79MHz to 6.0MHz; 12.51MHz to 60.00MHz

 ★ **AWCR-RS** Dimensions vary per frequency
Built-in capacitance • Low Resonant impedance • 4.00MHz to 8.00MHz

OSCILLATORS



MEM's Oscillators



★ **ASDM** 2.5 x 2.0 x 0.85mm
1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz



★ **ASDMB** 2.5 x 2.0 x 0.8mm **NEW 2011!**
Industrial Grade! 1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz • 10ppm



★ **ASEM** 3.2 x 2.5 x 0.85mm
1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz



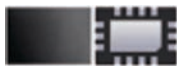
★ **ASEMB** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade! 1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz • 10ppm



★ **ASEMP** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade High Performance MEMS Oscillator! Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • CMOS, LVPECL, LVDS, and HCSL output 10 MHz to 425MHz



★ **ASEMCC** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade 3G MEMS Oscillator!
Pin Configurable-CMOS output, Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • 10 MHz to 170MHz for CMOS



★ **ASEMDC** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade 3G MEMS Oscillator!
Pin Configurable Dual CMOS output, Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • 10 MHz to 170MHz for CMOS



★ **ASEMDHC** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade 3G MEMS Oscillator!
Pin Configurable dual HCSL output, Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • 10 MHz to 460MHz for HCSL



★ **ASEMDLC** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade 3G MEMS Oscillator!
Pin Configurable LVDS-CMOS dual output, Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • 10 MHz to 460MHz for CMOS, 10 MHz to 460MHz for LVDS



★ **ASEMDLP** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade 3G MEMS Oscillator!
Pin Configurable LVPECL Dual output, Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • 10 MHz to 460MHz



★ **ASEMDLV** 3.2 x 2.5 x 0.85mm **NEW 2011!**
Industrial Grade 3G MEMS Oscillator!
Pin Configurable LVDS dual output, Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • 10 MHz to 460MHz



★ **ASFLM** 5.0 x 3.2 x 0.85mm 1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz



★ **ASFLMB** 5.0 x 3.2 x 0.85mm **NEW 2011!**
Industrial Grade! 1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz • 10ppm



★ **ASFLMP** 5.0 x 3.2 x 0.85mm **NEW 2011!**
Industrial Grade High Performance MEMS Oscillator! Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • CMOS, LVPECL, LVDS, and HCSL output 10 MHz to 425MHz



★ **ASVM** 7.0 x 5.0 x 0.85mm
1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz



★ **ASVMB** 7.0 x 5.0 x 0.85mm **NEW 2011!**
Industrial Grade! 1.8Vdc to 3.3Vdc • Plastic QFN Package • CMOS output • 1.0MHz to 150MHz • 10ppm





★ **ASVMP** 7.0 x 5.0 x 0.85mm **NEW 2011!**
Industrial Grade High Performance MEMS Oscillator! Low power, and low jitter for high speed data communication • 2.25Vdc to 3.6Vdc • Plastic QFN Package • CMOS, LVPECL, LVDS, and HCSL output 10 MHz to 425MHz


OSCILLATORS


SMD Crystal Oscillators


 ★ **ASA, ASA1, ASA2** 2.0 x 1.6 x 0.7mm
NEW! Industry smallest package. • 3.3, 2.5, or 1.8Vdc . HCMOS , Smallest package available . 1MHz - 80MHz

 ★ **ASD, ASD1, ASD2, ASD3** 2.5 x 2.0 x 0.95mm
NEW! • 3.3, 3.0, 2.5 or 1.8Vdc • Low Voltage HCMOS • 0.75MHz - 75MHz


 **ASET** 3.2 x 2.5 x 1.2mm **Precision Crystal Oscillator** • 2.5 to 3.0 Vdc • CMOS , Industrial grade tight temperature stability • 4MHz - 54MHz • Temp. Stability +/- 10ppm from -40 to +85C


 ★ **ASE** 3.2 x 2.5 x 1.2mm
3.3Vdc CMOS Compatible SMD . 0.625MHz – 200MHz


 ★ **ASE2** 3.2 x 2.5 x 1.2mm
2.5Vdc CMOS Compatible SMD . 0.625MHz - 166MHz


 ★ **ASE3** 3.2 x 2.5 x 1.2mm
1.8Vdc CMOS Compatible SMD . 0.625MHz - 133MHz


 **ASE4** 3.2 x 2.5 x 1.0mm
1.5Vdc CMOS Compatible SMD . 1MHz ~ 50 MHz


 **ASE5** 3.2 x 2.5 x 0.9mm
1.35Vdc CMOS Compatible SMD . 1MHz ~ 50 MHz


 **ASE6** 3.2 x 2.5 x 0.9mm **NEW! Low Voltage**
1.0Vdc CMOS Compatible SMD . 1MHz ~ 50 MHz


 **ASM** 14.0 x 8.95 x 4.7mm
5Vdc, TTL/HCMOS • 1Molded Plastic • 1MHz - 125MHz
Not recommended for new designs. Please consider our different package offerings.


 **ASML** 14.0 x 8.95 x 4.7mm
3.3Vdc, TTL/HCMOS • 1Molded Plastic • 1MHz – 106.25Hz **Not recommended for new designs. Please consider our different package offerings.**


 **ASFLT** 5.0 x 3.2 x 1.05mm
Precision Crystal Oscillator • 3.0 Vdc • CMOS , Industrial grade tight temperature stability • 4MHz - 54MHz • Temp. Stability +/- 10ppm from -40+85C

 **ASF1** 5.0 x 3.2 x 1.3mm
5.0Vdc, TTL/HCMOS • 0.321MHz - 125MHz


 ★ **ASFL1** 5.0 x 3.2 x 1.3mm
3.3Vdc, TTL/HCMOS • 0.321 MHz - 133.33 MHz


 **ASFL2** 5.0 x 3.2 x 1.4mm
2.5Vdc, TTL/HCMOS • 0.321MHz - 125MHz

 ★ **ASFL3** 5.0 x 3.2 x 1.1mm
1.8Vdc, TTL/HCMOS • 0.5MHz - 125MHz


 ★ **ASV** 7.0 x 5.0 x 1.8mm
3.3V, 2.5V, and 1.8Vdc • 0.312MHz - 200MHz


 **ASV1** 7.0 x 5.0 x 1.6mm
3.3V • 0.5MHz - 200MHz

 **ASV2** 7.0 x 5.0 x 1.4mm
3.3V, 2.5V, and 1.8Vdc • 0.012MHz - 133MHz

 **ASL** 7.0 x 5.08 x 1.8mm
5Vdc, HCMOS/TTL • 1MHz - 125MHz

 **ASL1** 7.0 x 5.08 x 1.4mm
5Vdc, HCMOS/TTL • 1MHz - 125MHz

 **ABFM** 7.0 x 5.0 x 1.8mm
Low Phase Noise and Jitter!! 3.3 or 2.5Vdc • PECL, LVDS, CMOS • 30MHz - 280MHz

 **ALD** 7.0 x 5.0 x 2.0mm
Low Phase Noise and Jitter!! . 3.3Vdc • 0.75MHz - 800MHz • PECL, LVDS, CMOS

NEW! ASH7K
32.768kHz SMD CRYSTAL OSCILLATOR
Ultra-miniature size
3.2 x 1.5 x 1.0mm!



- Low Voltage Operation (Min:1.5V)
- Low Current Consumption (3.5uA Max @1.5V)
- Operating temperature : -40 to +85 °C
- VDD controls the output amplitude
- Tri-state function

OSCILLATORS

32.768kHz SMD Crystal Oscillators



★ **ASDH7K** 3.2 x 1.5 x 1.0mm **NEW 2011! Features Tuning Fork Crystal** • Low Voltage Operation (Min:1.5V) • 32.768kHz • Low Current Consumption (3uA Max @1.5V)



★ **ASDK** 2.5 x 2.0 x 0.95mm
• 1.8V, 2.5V, 3.3V, CMOS, 32.768kHz Low current 2.2mA typical@3.3V



★ **ASHEK** 3.2 x 2.5 x 0.9mm **Features Tuning Fork Crystal** • Ultra low uA current consumption with CMOS output • 32.768kHz • 2.5uA max



★ **ASEK** 3.2 x 2.5 x 1.2mm
• 1.8V, 2.5V, 3.3V, CMOS, 32.768kHz Low current 1.7mA typical@3.3V



★ **ASFLK** 5.0 x 3.2 x 1.3mm
2.5V, 3.0V, 3.3V, 5.0V, 15pF or 10TTL, 32.768kHz Low current 0.5mA typ@2.5 ~ 3.0V, 1.5mA typ @5.0V



★ **ASVK** 7.0 x 5.0 x 1.8mm
2.8V, 3.0V, 3.3V, 15pF or 10TTL, 32.768kHz Supply current 7.0mA max

SMD Programmable Crystal Oscillators



★ **ASSVP** 7.0 x 5.0 x 1.4mm (Lead time 1-5 days for small quantities) • **Low EMI**, 3.3V & 2.5 • CMOS - 10MHz ~ 160MHz • *Solves EMI Compliance with low cost Systemic Solution*



★ **ASSFLP** 5.0 x 3.2 x 1.3mm (Lead time 1-5 days for small quantities) • **Low EMI**, 3.3V & 2.5 • CMOS • 13MHz ~ 160MHz • *Solves EMI Compliance with low cost Systemic Solution*



ASLP 7.0 x 5.0 x 1.6mm
5Vdc, Programmable, Seam sealed • 1MHz – 125MHz



ASVP 7.0 x 5.0 x 1.6mm
3.3Vdc, Programmable, Seam sealed • 1MHz - 100MHz



ASMP 14.0 x 8.95 x 4.10mm
5 Vdc, Programmable, Plastic Molded • 1MHz - 125MHz



ASMLP 14.0 x 8.95 x 4.10mm
3.3Vdc, Programmable, Plastic Molded • 1MHz - 106.250MHz



AP2SM 2.5 x 2.0 x 0.8mm **NEW!**
1.8, 2.5, 3.3Vdc, Multi-output frequencies • Programmable



★ **AP2S** 2.5 x 2.0 x 0.9mm
1.8, 2.5, 3.3Vdc, Programmable • 3.0MHz - 110MHz Low jitter PLL technology



★ **AP3S** 3.2 x 2.5 x 1.2mm
1.8, 2.5, 3.3Vdc, Programmable • 1MHz - 200MHz Low jitter PLL technology



★ **AP5S** 5.0 x 3.2 x 1.1mm
2.5, 3.3Vdc, Programmable • 10MHz - 200MHz Low jitter PLL technology



★ **AP7S** 7.0 x 5.0 x 1.6mm
2.5, 3.3Vdc, Programmable • 10MHz - 200MHz Low jitter PLL technology

SMD Low EMI Oscillators (Integrated Spread Spectrum reduces EMI up to 20dB!)



ASSVJ 7.0 x 5.0 x 1.8mm **Reduced Jitter Design!** • SMD, 3.3Vdc CMOS • 13 MHz - 220MHz Drop in replacement for 5x7mm XO's



ASSFL 5.0 x 3.2 x 1.2mm
SMD, 3.3Vdc CMOS • 6MHz - 160MHz Drop in replacement for 5x3mm XO's



ASSV 7.0 x 5.0 x 1.8mm
SMD, 3.3Vdc TTL/HCMOS • 5MHz - 160MHz Drop in replacement for 5x7mm XO's



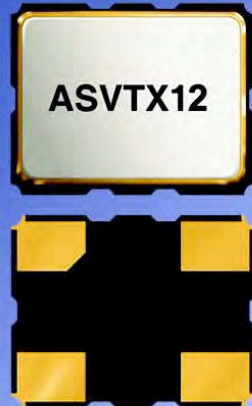
ASSL1, ASSV1 7.43 x 5.34 x 2.6mm
SMD, 3.3, 5.0Vdc CMOS • 8MHz - 128MHz 5x7 XO drop in replacement



ASSM, ASSML 14.27 x 10.7 x 5.0mm
SMD, 3.3, 5.0Vdc CMOS • 4MHz - 128MHz SMD Plastic XO drop in replacement

ASVTX-12 TEMPERATURE COMPENSATED/ VOLTAGE CONTROLLED CRYSTAL OSCILLATOR - 2.5 X 2.0 X 0.9mm

- Ultra miniature and low height 0.9mm
- Low current consumption 2mA
- Low phase noise
- Vc function corresponds to PLL circuits
- Suitable for RoHS reflow profile
- Low phase noise



SMD TCXO & VCTCXO's



★ **ASTX-12, ASVTX-12** 2.5 x 2.0 x 0.9mm
NEW . Temp. Compensated Crystal Oscillator .
Clipped Sine, 2.5, 2.8, 3.0Vdc, 15MHz - 40MHz



★ **ASTX-11, ASVTX-11** 3.2 x 2.5 x 1.0mm **NEW** .
Temp. Compensated Crystal Oscillator . Clipped Sine .
2.5, 2.8, 3.0, 3.3Vdc, 10MHz - 40MHz



★ **ASTX-09, ASVTX-09** 5.0 x 3.2 x 1.5mm Seam
Sealed SMD, 2.5, 3.0, 3.3, 5.0Vdc Vdc Options .
Clipped Sine . 6 MHz - 45MHz



ASTX-H09 5.0 x 3.2 x 1.2mm, 3.0, 3.3Vdc
HCMOS • 5MHz - 50MHz



ASTX-01H 11.4 x 9.6 x 4.0mm
3.3Vdc, TTL/HCMOS • 2MHz - 30MHz



ASTX-01HA 11.4 x 9.6 x 4.0mm
3.3Vdc, TTL/HCMOS • 2MHz - 30MHz

Thru-Hole TCXO's



ACTX1018(A), ACVTX1018(A) 18.3 x 12 x 8mm
DIP, TTL/CMOS, 3.3 or 5Vdc • 1MHz - 35MHz



ACTX1018S(A), ACVTX1018S(A)
18.3 x 12.0 x 8.0mm • DIP, Sine Wave, 3.3 or 5Vdc
• 8MHz - 45MHz

SMD VCXO's



ASEV 3.2 x 2.5 x 0.9mm **NEW!**
• 1.8, 2.5, 2.8, 3.3Vdc • CMOS • 1.5~54MHz



ASFV 5.0 x 3.2 x 1.2mm
• 5Vdc, HCMOS • 1.5MHz - 50MHz



ASFLV 5.0 x 3.2 x 1.2mm
• 3.3Vdc, HCMOS • 1.5MHz - 50MHz



ASLV 7.0 x 5.0 x 1.2mm
Ceramic, 5Vdc, TTL/HCMOS • 1.5MHz - 50MHz



★ **ASVV** 7.0 x 5.0 x 2.0mm
Ceramic, 3.3Vdc, TTL/HCMOS • 1MHz - 200MHz



ASPE 7.0 x 5.08 x 1.8mm
2.5, 3.3Vdc • 0.750MHz - 800MHz



ABVFM 7.0 x 5.0 x 1.8mm
2.5, 3.3Vdc • PECL, LVDS, CMOS • 1.0MHz - 800MHz
**Availability limited to application specific application frequencies. Please contact factory for available frequencies*



ALVD 7.0 x 5.0 x 1.8mm
2.5, 3.3Vdc • PECL, LVDS, CMOS • 0.75MHz - 800MHz

OSCILLATORS

Low Phase Noise VCXO's



ACOL 20.2 x 12.6 x 5.08mm
Full-size DIP, 3.3Vdc, HCMOS/TTL . 0.32MHz - 200MHz



ACOL1 20.2 x 12.6 x 5.08mm
Full-size DIP, 2.5Vdc, HCMOS/TTL . 1.0MHz - 85MHz



ACOS 20.2 x 12.6 x 5.08mm
Full-size DIP, 5Vdc, Sine wave output . 8MHz - 40MHz



ACPE, ACPEL 20.8 x 13.2 x 6.8mm
Full-size DIP, 5Vdc or 3.3Vdc, PECL . 0.75MHz - 800MHz



ACOW 20.2 x 12.6 x 8.0mm
Full-size DIP; 5Vdc . HCMOS/TTL, 32.768kHz



ACT 20.4 x 12.9 x 5.3mm
Full-size DIP, 5Vdc, TTL . 0.4MHz - 160MHz



AHVX1025, AHVX1025L 13.2 x 13.2 x 5.7mm
Half-size DIP, 5 or 3.3Vdc, CMOS/TTL • 1MHz - 800MHz



ACVX1220 20.0 x 12.6 x 8.0mm
Full-size DIP, 5Vdc, CMOS/TTL • 1MHz - 160MHz



ACVX1220L 20.0 x 12.6 x 5.03mm
Full-size DIP, 3.3Vdc, CMOS/TTL • 1MHz - 120MHz



ACVX1222, ACVX1222L 20.2 x 12.6 x 5.08mm
Full-size DIP, 5 or 3.3Vdc, CMOS/TTL • 1MHz - 200MHz



ACVX1224 20.2 x 12.6 x 7.2mm
Full-size DIP, 5Vdc, CMOS/TTL • 65MHz - 300MHz



ACVX1240 20.8 x 13.2 x 6.8mm
Full-size DIP, 5Vdc, Sine output • 8MHz - 200MHz

Thru-Hole Oscillators



ACH 12.7 x 12.7 x 5.6mm
Half-size DIP; 5Vdc . HCMOS/TTL, 32.768kHz - 200MHz



ACHL 13.2 x 13.2 x 5.5mm
Half-size DIP; 3.3Vdc . HCMOS/TTL, 0.4MHz - 160MHz



ACHL1 13.2 x 11.0 x 5.5mm
Half-size DIP; 2.5Vdc, HCMOS/TTL. 1.0MHz - 80MHz



AHT 13.2 x 13.2 x 5.5mm
Half-size DIP, 5Vdc, TTL . 0.4MHz - 160MHz

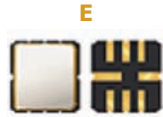


ACO 20.2 x 12.6 x 5.08mm
Full-size DIP, 5Vdc, HCMOS/TTL . 0.32MHz - 200MHz

FILTERS

Saw Filters

FOR A COMPLETE LISTING OF OUR SAW FILTERS
GO TO WWW.ABRACON.COM



E
5.0 x 5.0 x 1.5mm



F11
11.3 x 3.5 x 4.8mm



TO-39/3A
Φ 9.5 x 3.3mm



TO-39/3B
Φ 9.5 x 3.5mm



S3
3.8 x 3.8 x 1.5mm



S4
3.0 x 3.0 x 1.5mm



S6
2.0 x 1.6 x 0.9mm



S9
19.0 x 6.5 x 2.0mm

Ceramic Filters



AFC10.7 7.0 x 7.0 x 4.0mm
10.7MHz



ASFC10.7M 7.0 x 3.0 x 1.5mm
10.7MHz



AFC4.5M 9.0 x 7.0 x 4.0 mm
4.5MHz

SMD MCF's



ASCF21U Series 7.2 x 5.2 x 1.5mm
1MHz . Seam sealed . Fundamental

Thru-Hole MCF's



ACF10M Series 10.4 x H x 3.9mm
Ceramic Seam sealed . 10.7MHz . Fundamental



ACF21U/45U Series 7.8 x 8.0 x 3.2mm
Ceramic Seam sealed . 21.4MHz, 45MHz .
Fundamental

Dielectric Band Pass Filters



ADFC43 4.5 x 3.2 x 1.5mm
1200, 1527, 1400, 1900MHz • Planar Design • Band Pass
Filter



ADFC32 3.2 x 2.5 x 1.5mm
205.5, 1890, 1906.5, 2450MHz • Planar Design
• Band Pass Filter



ADFC23 9.4 x 5.8 x 2.2mm
1890, 1906.5MHz • Planar Design • Band Pass Filter



ADFC13 3.2 x 1.6 x 1.2mm
1906.5, 2450MHz • Planar Design • Band Pass Filter



ADFC22 2.5 x 2.0 x 1.2mm
1906.5, 2450MHz • Planar Design • Band Pass Filter



ADFC21 2.0 x 1.25 x 0.9/0.95mm
2450, 4885, 5510, 5800MHz • Planar Design • Band Pas
Filter



ADFC31 3.2 x 1.6 x 1.2mm
1906.5, 2450, 5800MHz • Planar Design • Band Pass Filt

Dielectric Low Pass Filters



ALFC32-1200 3.2 x 2.5 x 1.5mm
Multi-Layer 1200MHz • Low-Pass Filter



ALFC21-2450 2.0 x 1.25 x 0.9mm
Multi-Layer 2450MHz • Low-Pass Filter

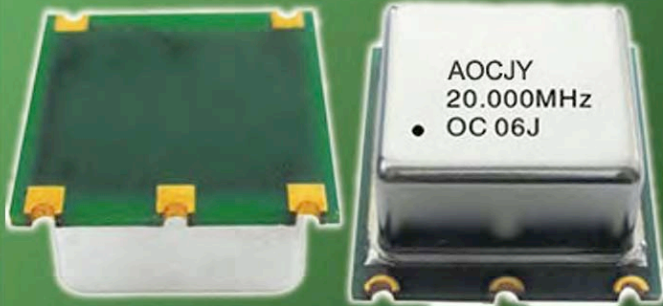
Dielectric Balun Filter



ADBLF21-2450.00-A-T 2.0 x 1.25 x 1.0mm
2.45GHz Dielectric Balun Filter

PRECISION TIMING

AOCJY SERIES! SMD OVEN CONTROLLED CRYSTAL OSCILLATOR



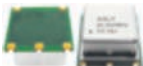
- 25.4 x 22.1 x 12.5 mm True SMT- RoHS Compliant Reflow-able Package
- SC-Cut, High "Q" resonator based design
- Either Sinewave or HCMOS RF output
- Available with ± 30 ppb over -40°C to $+75^{\circ}\text{C}$ operating temperature Range
- Tighter Stabilities to ± 5.0 ppb over 0°C to $+50^{\circ}\text{C}$ also available
- Exceptional long-term Aging of ± 500 ppb over 10-Year Product Life
- Excellent close-in phase noise (-130 dBc/Hz Typical @100 Hz offset from 10MHz carrier)

OCXO'S

★ AOCJY

Features: • 25.4 x 22.1 x 12.5 mm True SMT- RoHS Compliant Reflow-able Package • SC-Cut, High "Q" resonator based design • Either Sinewave or HCMOS RF output • Available with ± 30 ppb over -40°C to $+75^{\circ}\text{C}$ operating temperature Range • Tighter Stabilities to ± 5.0 ppb over 0°C to $+50^{\circ}\text{C}$ also available • Exceptional long-term Aging of ± 500 ppb over 10-Year Product Life • Excellent close-in phase noise (-135 dBc/Hz maximum @100 Hz offset from 10MHz carrier)

Applications: • Cellular Infrastructure • Radar System • Test & Measurement Equipment • GPS Tracking with precision hold-over accuracy • WiMax / WLAN



★ AOCJY 1

Features: • 20.8 x 13.2 x 8.2 mm Leaded- RoHS Compliant Reflow-able Package • AT-Cut, High "Q" resonator based design • Either Sinewave or CMOS RF output • Available with ± 500 ppb over -40°C to $+75^{\circ}\text{C}$ operating temperature range • Tighter Stabilities to ± 50.0 ppb over 0°C to $+50^{\circ}\text{C}$ also available



★ AOCJY 1 - continued

• Exceptional long-term Aging of ± 3 ppm max. over 10-Year Product Life • Excellent close-in phase noise (-145 dBc/Hz Typical @1k Hz offset; 10MHz carrier)

Applications: • Cellular Infrastructure • Radar Systems • Test & Measurement Equipment • GPS Tracking with precision hold-over accuracy • WiMax / WLAN

★ AOCJY 2

Features: • 21.0 x 21.0 x 11.0 mm Leaded- RoHS Compliant Reflow-able Package • SC-Cut, High "Q" resonator based design • Either Sinewave or CMOS RF output • Available with ± 30 ppb over -40°C to $+75^{\circ}\text{C}$ operating temperature range • Tighter Stabilities to ± 5.0 ppb over 0°C to $+50^{\circ}\text{C}$ also available • Exceptional long-term Aging of ± 500 ppb max. over 10-Year Product Life • Excellent close-in phase noise (-140 dBc/Hz Max. @100Hz offset; 10MHz carrier)



Applications: • Cellular Infrastructure • Radar Systems • Test & Measurement Equipment • GPS Tracking with precision hold-over accuracy • WiMax / WLAN

★ AOCJY 3

Features:

• 25.4x 25.4 x 13.0 mm Leaded- RoHS Compliant Reflow-able Package • SC-Cut, High "Q" resonator based design • Either Sinewave or CMOS RF output • Available with ± 30 ppb over -40°C to $+75^{\circ}\text{C}$ operating temperature Range • Tighter Stabilities to ± 5.0 ppb over 0°C to $+50^{\circ}\text{C}$ also available • Exceptional long-term Aging of ± 500 ppb max. over 10-Year Product Life • Excellent close-in phase noise (-140 dBc/Hz Typical @100 Hz offset; 10MHz carrier)



Applications: • Cellular Infrastructure • Radar Systems • Test & Measurement Equipment • GPS Tracking with precision hold-over accuracy • WiMax / WLAN

★ AOCJY 4

Features: • 36.1x 27.2 x 13mm Leaded- RoHS Compliant Reflow-able Package • SC-Cut, High "Q" resonator based design • Either Sinewave or CMOS RF output • Available with ± 10 ppb over -40°C to $+75^{\circ}\text{C}$ operating temperature Range • Tighter Stabilities to ± 2.0 ppb over 0°C to $+50^{\circ}\text{C}$ also available • Exceptional long-term Aging of ± 500 ppb max. over 10-Year Product Life • Excellent close-in phase noise (-140 dBc/Hz Typical @100 Hz offset; 10MHz carrier)



Applications: • Cellular Infrastructure • Radar Systems • Test & Measurement Equipment • GPS Tracking with precision hold-over accuracy • WiMax / WLAN

PRECISION TIMING

★ AOCJY 5

(Wide Temperature Range OCXO
-55°C to +85°C)

Features: • 36.1x 27.2 x 13mm Leaded- RoHS Compliant Reflow-able Package • SC-Cut, High "Q" resonator based design • Sinewave output into 50Ω • Available with ± 50 ppb accuracy over -55°C to +85°C temperature range • Exceptional long-term Aging of ±500 ppb max. over 10-Year Product Life • Excellent close-in phase noise (-145 dBc/Hz Typical @1kHz offset; 10MHz carrier)



Applications: • COTS Military & Industrial Radios & Timing Circuits • Cellular Infrastructure • Radar Systems • Test & Measurement Equipment • GPS Tracking with precision hold-over accuracy • WiMax / WLAN

STRATUM III

AST3

Features: • High Precision over temperature (±0.37 ppm over -40°C to + 85°C) • Excellent long term stability (±4.60 ppm Max. over 20-Years life) • Small Profile (7*5*2 mm) • Low Power (< 6mA CMOS; < 3.5mA Sinewave) • Exceptional Close-in Phase Noise (-140 dBc/Hz @ 1kHz typ; 12.80MHz carrier)

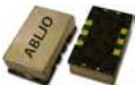


Applications: • Wireless & Wireline communications • Cellular Infrastructure • Point-to-Point Radios • Broadband Equipment • Test & Measurement Equipment • GPS tracking with precision hold-over accuracy

VCXO

★ ABLJO

Features: • High "Q", 3rd Overtone Crystal Technology • Ultra Low Jitter performance 0.10 ps Max. (12kHz to 20MHz) • Standard LVC MOS RF Output • Wide Operating Temperature (-40°C to +85°C) standard • ±40 ppm Max. All inclusive Stability (including Aging) over 10-years • (17) Standard Frequencies between 80MHz & 200MHz • 9x14mm RoHS Compliant SMT package



Applications: • Avionics • COTS - Military communications • Low Phase Noise Signal Sources • High Definition TV • Test & Measurement • Ultra Low Jitter RF Communication Circuitry

NEW! SYNC 'N GO - PORTABLE PRECISION FREQUENCY REFERENCE



- Stand Alone 10.00MHz Portable Precision Frequency Reference
- World Wide Capability
- Built-in Stratum-III stability, 10.00MHz Signal tuned into 50Ω's
- Synchronization circuitry providing dynamic sync capability, enabling calibration to a known source such as; a GPS Tracked 10.00MHz reference/10.00MHz Rubidium Source/10.00MHz OCXO based reference
- Integrated re-chargeable batteries to provide true stand-alone capability in the field
- Once sync'd; guaranteed ±300 ppb stability over 0°C to 60°C
- Pocket Size - 3.50" * 1.50" * 1.00"; machined aluminum durable enclosure
- Accompanied with a Universal AC-DC Charger
- Continuously operable at full charge for 10-hours

ENGINEERED SOLUTIONS

★ SYNC-10.00MHz

Features: • Stand Alone 10.00MHz Portable Precision Frequency Reference - World Wide Capability • Built-in Stratum-III stability, 10.00MHz Signal tuned into 50Ω's • Synchronization circuitry providing dynamic sync capability, enabling Calibration to a known source such as; a GPS Tracked 10.00MHz reference/10.00MHz Rubidium Source/10.00MHz OCXO based reference • Integrated re-chargeable batteries to provide true stand-alone capability in the field • Once sync'd; guaranteed ±300 ppb stability over 0°C to 60°C • Pocket Size - 3.50" * 1.50" * 1.00"; machined aluminum durable enclosure • Accompanied with a Universal AC-DC Charger • Continuously operable at full charge for 10-hours



Applications: • Ideally suited as an in-field Calibrated Precision 10.00MHz reference for trouble shooting or tuning hardware and Base Station related equipment • Reference source for lab use • Reference source to drive frequency counters and other timing related hardware or instruments • Precision Portable reference for inspection of in-field wireless transmitters

PRECISION TIMING

NEW! Low Jitter - Octal Clock Distribution Module - ABCDM



- Non PLL based high frequency compact reference - Optimized for Jitter and Phase Noise
- 8-differential outputs facilitating multiple clocking needs
- All outputs derived from the same low noise crystal oscillator - making all outputs frequency coherent max rms jitter over 12kHz to 20MHz BW)
- Ultra fast rise & fall times satisfying demanding needs
- ± 50 ppm All Inclusive Frequency Stability over 10-years (no adjustment needed)
- Metal shield reducing any EMI related concerns
- Compact Size, 9*14*2 mm solution saving board space in high density designs

★ ABCDM-XX-YYMHz

Features: • Non PLL based high frequency compact reference - Optimized for Jitter and Phase Noise • 8-differential outputs to facilitate multiple clocking needs • All outputs derived from the same low noise crystal oscillator - making all outputs frequency coherent • 0.50 ps max. rms jitter over 12kHz to 20MHz Bandwidth • Ultra fast rise & fall times satisfying demanding needs • ± 50 ppm All Inclusive Frequency Stability over 10-years (no adjustment needed) • Metal shield reducing any EMI related concerns • Compact Size, 9*14*2 mm solution saving board space in high density designs

Applications: • SERDES, PCIE and SATA • Gigabit Transceivers • Telecom Switching • Fiber Distributed Data Interface • Ethernet, Gigabit Ethernet • Storage Area Network (SAN) • Broadband Access • SONET/SDH/DWDM • Infiniband



★ ABPSM-ULN-A

Features: • AC Adapter Input Voltage 100VAC to 240VAC; 50Hz and 60Hz cycles – World Wide Capability • Four DC Output Ports, 1.8V, 2.5V 3.3V & 5.0V • Current Sourcing Capability 200mA max each port • Exceptional low noise density; $< 7\text{nV} / \sqrt{\text{Hz}}$ @ 1kHz offset Typical • Better than $0.30\mu\text{Vrms}$ over 0.1Hz to 1kHz bandwidth (best-in-class) • Convenient, Ultra Low Noise Solution offering most common bias levels • Portable - Small form factor [3.50" * 1.50" * 0.65"] Machined Aluminum enclosure • No external heat sinking is required • Low Cost



Applications: • Lab Grade Power Supply designed to replace bulky & noisy power supplies for everyday use • A must have for Noise Sensitive Measurements such as, S/N ratio, Spectral Purity, Jitter, Phase Noise & Harmonic Distortion • Ideal for testing circuits including: - Audio - Medical Diagnostic - RF - Jitter Sensitive Digital - Microwave

NEW! ULTRA LOW NOISE POWER SUPPLY MODULE ABPSM-ULN-A



- AC Adapter Input Voltage 100VAC to 240VAC; 50Hz and 60Hz cycles – World Wide Capability
- Four DC Output Ports, 1.8V, 2.5V 3.3V & 5.0V
- Current Sourcing Capability 200mA max each port
- Exceptional low noise density; $< 7\text{nV} / \sqrt{\text{Hz}}$ @ 1kHz offset Typical
- Better than $0.30\mu\text{Vrms}$ over 0.1Hz to 1kHz bandwidth (best-in-class)
- Convenient, Ultra Low Noise Solution offering most common bias levels
- Portable - Small form factor [3.50" * 1.50" * 0.65"] Machined Aluminum enclosure
- No external heat sinking is required

INDUCTORS

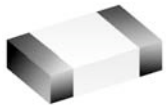
Ceramic RF Chip Inductor



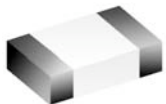
AIMC-0201 0.6 x 0.3 x 0.3mm
Inductance Range: 1~47nH • DCR (Max):
0.2~3.6Ω • Ir (A): 0.3~0.05 • Q (Min): 4~5
• SRF (Min): 12000~1600MHz



AIMC-0402 1.0 x 0.5 x 0.5mm
Inductance Range: 1~120nH • DCR (max):
0.08~2.8Ω • Ir (A): 0.4~0.15 • Q (Min): 9
• SRF (MHz): >10000~600MHz



AIMC-0603 1.6 x 0.8 x 0.8mm
Inductance Range: 1~270nH • DCR (max):
0.05~2.4Ω • Ir (A): 0.5~0.3 • Q (Min): 8~12 •
SRF (Min): >10000~350MHz



AIMC-0805 2.0 x 1.25 x 0.85mm
Inductance Range: 1.5~220nH DCR (max):
0.1~1.4Ω • Ir (A): 0.6~0.3 • Q (Min): 10~15 •
SRF (Min): 6000~350MHz

Wire Wound RF Chip Inductors



★ **AISC-0402** 1.19 x 0.64 x 0.66mm
Inductance Range: 1.0~150nH • DCR (Max):
0.045~2.9Ω • Ir (Max): 1360~80mA
• Q (Min): 13~26@250MHz • SRF (Min):
12700~1200MHz



★ **AISC-0603** 1.80 x 1.12 x 1.02mm□
Inductance Range: 1.6nH~560nH • DCR (Max):
0.035~8.1Ω • Ir (Max): 1150~70mA • Q (Min):
18~40 @ 250~100MHz • SRF: >6000~ 650MHz



AISC-0603HC 1.8 x 1.12 x 1.02mm Inductance
Range: 1.6~240nH • DCR (Max):0.03~0.105Ω •
Idc (Max): 2400~1800mA • Q (Min): 24~42 @
250MHz • SRF (Min): 12.5~2.4GHz



★ **AISC-0805(F)** 2.29 x 1.73 x 1.55mm
Inductance Range: 2.2~68,000nH • DCR
(Max):0.1~17.5Ω • Idc (Max) 600~40mA • Q
(Min): 60~8 @ 1500~2.5MHz • SRF (Min):
>6000~11MHz



AISC-0805LP 2.29 x 1.27 x 1.03 mm
Inductance Range: 1.8~1,000nH • DCR (Max):
0.03~3.5Ω • Idc (Max):800~1.7mA • Q (Min):
55~16 @ 1500~50MHz • SRF (Min): Up to
9.4GHz



★ **AISC-1008(F)** 2.92 x 2.79 x 2.29 mm
Inductance Range: 4.7~10,000nH • DCR (Max):
0.11~10.7Ω • Idc (Max): 1000~150mA • Q
(Min):60~20 @ 1500~7.9MHz • SRF (Min):
>6~50MHz



AISC-1008LP 2.92 x 2.79 x 1.4 mm
Inductance Range: 3.3~1000nH • DCR (Max):
0.03~3.7Ω • Idc (Max): 1000~300mA • Q (Min):
72~35 @ 1500~50MHz • SRF (Min): Up to 6GHz



AISC-1008S 2.54 x 2.11 x 2.74 mm
Inductance Range: 1~1000μH • DCR (Max):
0.05~30Ω • Idc (Max): 2000~110mA • Q (Min):
35~55 @1MHz • SRF (Min): Up to 350MHz

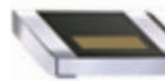


AISC-1210 3.7 x 2.8 x 2.2mm Inductance
Range: 3.3~1200nH • DCR (Max): 0.05~3.2Ω •
Idc (Max): 1000~300mA • Q (Min): 30~45
@300~150MHz • SRF (Min): Up to 6.2GHz

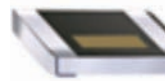
Thin Film Chip Inductors



★ **ATFC-0201** 0.6 x 0.3 x 0.23mm
Inductance Range: 0.1~10nH • DCR (Ω):
0.2~3.5 • Idc (mA): 400~80 • Q: 8@500MHz •
SRF (Min): Up to 9GHz



★ **ATFC-0402** 1.0 x 0.5 x 0.32mm Inductance
Range: 0.2~33nH • DCR (Ω): 0.1~4.5 • Idc
(mA): 800~75 • Q: 13@500MHz • SRF (Min): Up
to 14GHz



★ **ATFC-0603** 1.6 x 0.8 x 0.45 mm
Inductance Range: 1.0~100nH • DCR (Ω):
0.35~7.5 • Idc (mA): 800~100 • Q: 15@300MHz
• SRF (Min): Up to 13GHz

Air Coil Inductors



AIAC-1512C 3.68 x 3.05 x 2.92mm Inductance
Range: 2.5~18.5nH • DCR (Max): 1.1~3.9mΩ •
Idc (Max): 4.0A • Q (Min): 145~132@150MHz •
SRF (Min): 12.5~2.5GHz



AIAC-2712C 6.86 x 3.05 x 2.92mm Inductance
Range: 17.5~43nH • DCR (Max): 4.5~7.9mΩ •
Idc (Max): 4.0A • Q (Min):100~106@150MHz •
SRF (Min): 2.2~1.2GHz



AIAC-2015C 4.95 x 3.81 x 4.2mm Inductance
Range: 22~120nH • DCR (Max): 4.2~17.3mΩ •
Idc (Max): 3.0~1.5A • Q (Min): 100@150MHz •
SRF (Min): 3.2~1.1GHz



AIAC-4125C 10.5 x 6.35 x 5.97mm Inductance Range: 90~538nH • DCR (Max): 15~90mΩ • I_{dc} (Max): 3.5~2.0A • Q (Min): 95~87@50MHz • SRF (Min): 1.14~0.49GHz



AIML-1206 3.2 x 1.6 x 0.6mm Inductance Range: 0.047~220μH • DCR (Max): 0.15~4.2Ω • I_{dc} (Max): 300~2mA • Q (Min): 20~50MHz • SRF (Min): 320~4.5MHz

Molded Wire-Wound Chip Inductors



AISM-1008 2.5 x 2.0 x 1.8mm Inductance Range: 0.01~100nH • DCR (Max): 0.26~21Ω • I_{dc} (Max): 530~60mA • Q (Min): 25~15@25.2~0.796MHz • SRF (Min): Up to 230MHz



★ **AISM-1210** 3.5 x 2.8 x 2.5mm Inductance Range: 0.12~180μH • DCR (Max): 0.22~17mΩ • I_{dc} (Max): 450~60mA • Q (Min): 30~20@25.2~0.796MHz • SRF (Min): Up to 500MHz



AISM-1210H 2.9 x 2.5 x 2.2mm Inductance Range: 1.0~330μH • DCR (Max): 0.11~25Ω • I_{dc} (Max): 850~50mA • Q (Min): 10~20@7.96~0.796MHz • SRF (Min): Up to 100MHz



★ **AISM-1812** 4.2 x 3.2 x 3.2mm Inductance Range: 0.1~1000μH • DCR (Max): 0.18~40Ω • I_{dc} (Max): 800~30mA • Q (Min): 50~20@25.2~0.252MHz • SRF (Min): Up to 300MHz



AISM-1812H 4.2 x 3.2 x 3.2mm Inductance Range: 1.0~330μH • DCR (Max): 0.11~13Ω • I_{dc} (Max): 1050~90mA • Q (Min): 10~20@7.96~0.796MHz • SRF (Min): Up to 200MHz



AISM-2220 5.9 x 5.3 x 5.3mm Inductance Range: 1.0~1000μH • DCR (Max): 0.03~15Ω • I_{dc} (Max): 1800~85mA • Q (Min): 10~20@7.96~0.252MHz • SRF (Min): Up to 95MHz

Ferrite Chip Inductors



AIML-0402 1.0 x 0.5 x 0.5mm Inductance Range: 1~2.7μH • DCR (Max): 0.9~2Ω • I_{dc} (Max): 15~10mA • Q (Min): 20 • SRF (Min): 40~22MHz



AIML-0603 1.6 x 0.8 x 0.8mm Inductance Range: 0.047~27μH • DCR (Max): 0.2~2.75Ω • I_{dc} (Max): 50~1mA • Q (Min): 15~35MHz • SRF (Min): 600~12MHz



AIML-0805 2.0 x 1.25 x 0.85mm Inductance Range: 0.047~100μH • DCR (Max): 0.2~2.5Ω • I_{dc} (Max): 300~2mA • Q (Min): 15~55MHz • SRF (Min): 350~8MHz

Axial Inductors



AICC-00 4.06 x 2.54 x 29.2 x 0.51mm CONFORMAL COATED Inductance Range: 0.22~220μH • DCR (Max): 0.40~20Ω • I_{dc} (Max): 400~35mA • Q (Min): 35~40MHz • SRF (Min): 150~5MHz



AICC-01 7.11 x 3.05 x 29.2 x 0.51mm CONFORMAL COATED Inductance Range: 0.022~1000μH • DCR (Max): 0.40~33Ω • I_{dc} (Max): 400~40mA • Q (Min): 35~50MHz • SRF (Min): 150~1.4MHz



AICC-02 6.22 x 2.8 x 26.7 x 0.51mm CONFORMAL COATED Inductance Range: 0.27~1000μH • DCR (Max): 0.08~26Ω • I_{dc} (Max): 1110~60mA • Q (Min): 40~60MHz • SRF (Min): 360~1.2MHz



AICC-03 9.53 x 3.3±0.25 x 26.7 x 0.51mm CONFORMAL COATED Inductance Range: 0.022~1000μH • DCR (Max): 0.21~14Ω • I_{dc} (Max): 880~100mA • Q (Min): 38~85MHz • SRF (Min): 380~1.4MHz



AICC-04 7.62 x 3.00 x 26.7 x 0.51mm CONFORMAL/EPOXY COATED Inductance Range: 0.10~1000μH • DCR (Max): 0.08~27.4Ω • I_{dc} (Max): 1380~28mA • Q (Min): 38~60MHz • SRF (Min): 680~1.8MHz



AIAP-01 9.14 x 3.3±0.25 x 29.2 x 0.51mm CONFORMAL/EPOXY COATED Inductance Range: 1.0~100μH • DCR (Max): 0.018~75Ω • I_{dc} (Max): 3300~52mA • SRF (Min): 190~0.27MHz



AIAP-02 14.0 x 6.4 x 29.2 x 0.81mm Inductance Range: 3.9~18000μH • DCR (Max): 0.019~48.3Ω • I_{dc} (Max): 7.3~0.09mA



AIAP-03 22.9 x 11.4 x 29.2 x 0.81mm Inductance Range: 3.9~120000μH • DCR (Max): 0.007~37Ω • I_{dc} (Max): 15.5~0.070A



AIAP-04 20.32~33.02 x 12.07~19.05 x 31.75 x 0.81~1.02mm Inductance Range: 5~1000μH • DCR (Max): 0.120~0.060Ω • I_{dc} (Max): 1.4~16mA

MAGNETICS



AIAP-05 17.8~6.4 x 25.4 x 0.81mm
Inductance Range: 3.9~18000 μ H • DCR (Max): 0.019~48.3 Ω • I_{dc} (Max): 3.60~0.06mA



AIAS-01 6.6 x 2.8 x 29.2 x 0.63mm Inductance Range: 0.10~1000 μ H • DCR (Max): 0.71~39 Ω • I_{dc} (Max): 1580~67mA • Q: 29~60 • SRF (Min): 400~4MHz



AIAS-02 8.38 x 3.3 x 29.2 x 0.63mm Inductance Range: 0.12~1000 μ H • DCR (Max): 0.126~52 Ω • I_{dc} (Max): 1630~80mA • Q: 57~36 • SRF (Min): 500~4.8MHz



AIAS-03 10.41 x 4.06 x 29.2 x 0.63mm Inductance Range: 0.10~10000 μ H • DCR (Max): 0.025~137 Ω • I_{dc} (Max): 2900~49mA • Q: 65~39 • SRF (Min): 250~0.47MHz



AIAS-04 11.4 x 4.06 x 29.2 x 0.51mm Inductance Range: 120~100000 μ H • DCR (Max): 2.45~484 Ω • I_{dc} (Max): 311~22mA • Q: 70~50 • SRF (Min): 11~0.32MHz



AIAM-01 6.35 x 2.29 x 29.21 x 0.51mm Inductance Range: 0.022~1000 μ H • DCR (Max): 0.025~72 Ω • I_{dc} (Max): 2400~28mA • Q: 50~25 • SRF (Min): up to 900 MHz

Radial Inductors



AIUR-01 8.0 x 7.5 x 5.0 x 5.0mm
L Range (μ H): 100~15,000 • DCR (Max): 2~80 Ω • I_{dc} (Max): 0.2~0.02A • Q @ Test Freq.: 60~80, 796~79.6KHz



AIUR-02 8.5 x 12.0 x 5.0 x 5.0mm
L Range (μ H): 1~1,000 • DCR (Max): 0.02~1.18 Ω • I_{dc} (Max): 8.6~0.51A • Q @ Test Freq.: 20~50, 7.96~0.25MHz



AIUR-02L 8.5 x 12.0 x 5.0 x 5.0mm
L Range (μ H): 1~1,000 • DCR (Max): 0.02~1.18 Ω • I_{dc} (Max): 8.6~0.51A • Q @ Test Freq.: 20~50, 7.96~0.25MHz



AIUR-02H 8.5 x 12.0 x 5.0 x 5.0mm
L Range (μ H): 1~1,000 • DCR (Max): 0.02~1.18 Ω • I_{dc} (Max): 8.6~0.51A • Q @ Test Freq.: 20~50, 7.96~0.25MHz



AIUR-03 8.5 x 11.0 x 5.0 x 5.0mm
L Range (μ H): 1~1,000 • DCR (Max): 0.013~2.9 Ω • I_{dc} (Max): 10~0.29A • Q @ Test Freq.: 50~20, 7.96~0.25MHz



AIUR-04 8.0 x 11.2 x 5.0 x 5.0mm
L Range (μ H): 100~27,000 • DCR (Max): 2~80 Ω • I_{dc} (Max): 0.2~0.03A • Q @ Test Freq.: 80~100, 796~79.6KHz



AIUR-05 8.5 x 9.0 x 5.0 x 5.0mm
L Range (μ H): 3.3~1,500 • DCR (Max): 0.013~3.5 Ω • I_{dc} (Max): 4.5~0.18A • Q @ Test Freq.: 10~30, 7.96~0.25MHz



AIUR-06 12.7 x 18.0 x 15.9 x 7.4mm
• L Range (μ H): 3.9~15,000 • DCR (Max): 0.016~20.5 Ω • I_{dc} (Max): 14.2~0.23A



AIUR-07 6.0 \pm 0.5 x 4.6 \pm 0.5 x 4.0 \pm 1.0 x 4.0mm
• L Range (μ H): 10~1,000 • DCR (Max): 0.1~6.3 Ω • I_{dc} (Max): 1.5~0.15A



AIUR-08 10.0 \pm 0.5 x 10.0 \pm 0.5 x 3.5 \pm 1.0 x 5.0 \pm 0.3mm
• L Range (μ H): 10~1,000 • DCR (Max): 0.03~1.7 Ω • I_{dc} (Max): 5.3~0.53A



AIUR-09 10.0 \pm 0.5 x 6.0 \pm 0.5 x 3.5 \pm 1.0 x 5.0 \pm 0.3mm
• L Range (μ H): 10~1,000 • DCR (Max): 0.04~3.3 Ω • I_{dc} (Max): 3.6~0.36A



AIUR-10 8.0 \pm 0.5 x 7.5 \pm 0.5 x 5.0 \pm 1.0 x 5.0mm
• L Range (μ H): 5.6~10,000 • DCR (Max): 0.08~25 Ω • I_{dc} (Max): 2.45~0.1A



AIUR-11 9.5 x 11.4 x 9.5 x 15.9mm
L Range (μ H): 3.9~68,000 • DCR (Max): 0.022~115 Ω • I_{dc} (Max): 6.8~0.04A



AIUR-12 7.2 x 10.5 x 30.5 x 34.5mm
L Range (μ H): 10~4,700 • DCR (Max): 0.7~18.0 Ω • I_{dc} (Max): 1.5~0.07A



AIUR-15 18.0 x 20.0 x 28.0 x 31.0mm
L Range (μ H): 22~1,000 • DCR (Max): 0.03~0.71 Ω • I_{dc} (Max): 5.7~1.0A



AIUR-16 7.0 x 9.5 x 10.0 x 15.0mm
L Range (μ H): 3.9~33,000 • DCR (Max): 0.02~100 Ω • I_{dc} (Max): 2.7~0.03A



★ **AIRD-01** 15.5 x 21.0 x 12.5 x 15.0mm
L Range (μ H): 1~680 • DCR (Max): 0.003~0.7 Ω • I_{dc} (Max): 87~2.9



★ **AIRD-02** 21.1 x 21.0 x 12.5 x 19.0mm
L Range (μ H): 1~2,200 • DCR (Max): 0.003~1.54 Ω • I_{dc} (Max): 108~2.0A

MAGNETICS



★ **AIRD-03** 28.0 x 21.0 x 12.5 x 20.0 or 26.0mm
L Range (μH): 1~19,000 • DCR (Max): 0.003~9Ω
• I_{dc} (Max): 116~1.0A



AIRD-06 21.0 x 21.0 x 12.7 x 14.0~17.0mm
L Range (μH): 1.0~2,200 • DCR (Max):
0.003~1.54Ω • I_{dc} (Max): 108~2.0A



AISR-01 10.8 x 14.0 x 5.0 ± 1.0 x 5.0 mm
L Range (μH): 1.0mH~120mH • DCR (Max):
3.4~97Ω • I_{dc} (Max): 0.09~0.008A



AISR-04 10.5 x 10.5 x 3.5 ± 1.0 x 5.0mm
L Range (μH): 10.0mH~1,000mH • DCR (Max):
0.02~1.5Ω • I_{dc} (Max): 3.9~0.39A



AISR-875 7.8 x 7.0 x 5.0 ± 1.0 x 5.0mm
L Range (μH): 10.0mH~10,000mH • DCR (Max):
0.047~47Ω • I_{dc} (Max): 3.6~0.11A



ADPI-1108S 10.5 x 8.0 x 3.5 ± 1.0 x 5.0mm
L Range (μH): 10.0mH~1,000mH • DCR
(Max):0.05~2.3Ω • I_{dc} (Max): 2.8~0.28A



ADPI-0607S 6.0 x 6.5 x 4.0 ± 1.0 x 4.0mm
L Range (μH): 22.0~1,000 • DCR (Max):
0.13~5.56Ω • I_{dc} (Max):0.96~0.14A



AISC-1206H 3.2 x 1.6 x 1.8mm
L RANGE: 0.045~100μH • DCR (Max):
0.027~8.45Ω • I_{dc} (Max): 1~45mA



★ **AISC-1210H** 3.2 x 2.5 x 2.5mm
L RANGE: 100~680μH • DCR (Max):6.88~40Ω •
I_{dc} (Max): 0.18~0.04A • SRF (MIin): 10~3.2MHz



★ **AISC-1812H** 4.5 x 3.2 x 2.6mm
L RANGE: 1.0~2200μH • DCR (Max): 0.08~65Ω •
I_{dc} (Max): 1.08~0.03A • SRF (MIin): 120~1.3MHz



AISC-2220H 5.7 x 5.0 x 4.5mm
L RANGE: 1.00~680μH • DCR (Max):
27~140,000mΩ • I_{dc} (Max): 4~0.05A



ASPI-0302 3.5 x 3.2 x 2.2mm
L RANGE:1.0~180μH • DCR (Max):0.07~3.9Ω •
I_{dc} (Max): 2.1~0.15A



ASPI-0403 4.5 x 4.0 x 3.2mm
L RANGE: 1.0~68μH • DCR (Max): 0.049~1.12Ω •
I_{dc} (Max): 2.56~0.37A



ASPI-0504 5.8 x 5.2 x 4.5mm
L RANGE: 10.0~2200μH • DCR (Max): 0.03~39Ω •
I_{dc} (Max): 3.8~0.064A



ASPI-0703 7.8 x 7.0 x 3.5mm L RANGE:
0.6~680μH • DCR (Max): 0.008~2.7Ω • I_{dc} (Max):
6.00~0.13A



ASPI-0705 7.8 x 7.0 x 5.0mm
L RANGE: 3.3~1800μH • DCR (Max):0.02~9.2Ω •
I_{dc} (Max): 5.4~0.15



ASPI-1004 10.0 x 9.0 x 4.2mm
L RANGE: 10.0~560μH • DCR (Max): 0.05~1.9Ω •
I_{dc} (Max): 2.38~0.32A



ASPI-1005 10.0 x 9.0 x 5.4mm
L RANGE: 4.7~1000μH • DCR (Max): 0.03~3.00Ω •
I_{dc} (Max): 3.6~0.22A



ASPI-0706HC 9.1 x 6.1 x 4.7mm
HIGH CURRENT L RANGE: 0.18~47μH • DCR
(Max): 0.003~0.47Ω • I_{sat} (Max): 14~0.87



ASPI-0804HC 13.46 x 10.16 x 6.0mm
HIGH CURRENT L RANGE: 0.33~100μH • DCR
(Max): 0.002~0.271Ω • I_{sat} (Max): 20~1A



ASPI-1306HC 22.4 x 16.0 x 8.0mm
HIGH CURRENT L RANGE: 0.78~220μH • DCR
(Max): 0.003~0.357Ω • I_{sat} (Max): 30~2.4A

POWER INDUCTORS

Multilayer Power Inductors



ASMPI-0805 2.0 x 1.25 x 0.9mm/
2.0 x 1.25 x 0.5mm • Inductance Range:
1.5~4.7μH • DCR (Ω): 0.26~0.14 • Ir (A):
0.7~0.8 • SRF (MHz): 50~30



ASMPI-0806 2.0 x 1.6 x 0.9mm
Inductance Range: 2.2~4.7μH • DCR (Ω): 0.11~0.14
• Ir (A): 1.2~1.1 • SRF (MHz): 50~30



ASMPI-1008 2.5 x 2.0 x 0.9mm/2.5 x 2.0 x
1.1mm • Inductance Range: 2.2~4.7μH
• DCR (Ω): 0.08~0.12 • Ir (A): 1.3~1.0
• SRF (MHz): 40~25

SMD Unshielded Power Inductors



ASPI-0309 3.0 x 3.0 x 0.8mm
Ultra Low Profile SMD Power Inductor L
RANGE: 2.2~47μH • DCR (Max): 170~3300mΩ
• I_{dc} (Max): 0.98~0.021A

MAGNETICS



ASPI-xxxxHC 7.3 x 7.3 x 4.5mm
HIGH CURRENT L RANGE: 0.47~100μH • DCR
 (Max): 2~1110(mΩ) • Isat (Max): 0.47~19.



ASPI-0402T 6.6 x 4.5 x 2.9mm
 L RANGE: 1.0~1000μH • DCR (Max): 0.05~13.8Ω •
 Isat (Max): 2.9~0.1A



ASPI-0802T 13.5 x 9.5 x 3.0mm
 L RANGE: 10~1000μH • DCR (Max): 0.11~8.4Ω •
 Isat (Max): 2.4~0.1A



ASPI-0804T 12.9 x 9.4 x 5.2mm
 L RANGE: 1.0~1000μH • DCR (Max): 0.009~3Ω •
 Isat (Max): 9~0.3A



ASPI-0804TS 12.95 x 9.4 x 5.08mm
 L RANGE: 1~1000μH • DCR (Max): 0.025~1.45Ω •
 Isat (Max): 5~0.25A



ASPI-0810T 12.9 x 9.4 x 11.4mm
 L RANGE: 22~330μH • DCR (Max): 0.05~0.7Ω •
 Isat (Max): 5.5~1.2A



SPI-1306T 15.4 x 18.54 x 7.5mm
 L RANGE: 2.2~1000μH • DCR (Max): 0.014~1.8Ω •
 Isat (Max): 16~1.0A



ASPI-1109T 11.2 x 13.7 x 8.3mm
 L RANGE: 10~1200μH • DCR (Max): 0.06~3.5Ω •
 Isat (Max): 3.5~0.35A



ASPI-4214 6.5 x 5.6 x 1.0mm
 L RANGE: 1.2~330μH • DCR (Max): 0.13~3.49Ω •
 Idc (Max): 2.1~0.13A



ASPI-5610 5.6 x 5.6 x 1.05mm
 L RANGE: 3.3~68.0μH • DCR (Max): 0.125~2.63Ω •
 Idc (Max): 1.30~0.25A



ASPI-5612 5.6 x 5.6 x 1.20mm
 L RANGE: 2.2~1,000μH • DCR (Max): 0.07~22.0Ω •
 Idc (Max): 1.95~0.10A



ASPI-5619 5.6 x 5.6 x 1.90mm
 L RANGE: 2.2~47.0μH • DCR (Max): 0.043~0.70Ω •
 Idc (Max): 2.9~0.65A



AICT-VM 18.3 x 13.0 x 18.0mm
 INDUCTRANCE RANGE: 145~975μH • DCR
 (Max): 0.42~2.6Ω • Idc (Max): 1.7~0.5A



AIPT-92-XXX-XXH 16.3~35.6 x 7.1~17.8
 x 9.5 or 22.2 INDUCTRANCE RANGE: 4.8~
 260μH • DCR (Max): 0.01~0.14Ω
 • Idc (Max): 2.0~7.0A



AIPT-92-XXX-XXV 14~42 x 6.4~17.8 x 9.5
 INDUCTRANCE RANGE: 14.8~436μH • DCR (Max):
 0.01~0.20Ω • Idc (Max): 2.6~10.0A

SMD Shielded Power Inductors



★ **ASPI-0310FS** 3.0 x 3.0 x 1.0mm
Ultra Low Profile SMD Power Inductor
 L RANGE: 1.0~47μH • DCR (Max): 50~1600mΩ
 • Idc (Max): 1.55~0.23A



★ **ASPI-0310FSSA** 3.0 x 3.0 x 1.0mm
Ultra Low Profile SMD Power Inductor
 L RANGE: 2.2~22μH • DCR (Max):
 95~1030mΩ • Idc (Max): 1.10~0.35A



★ **ASPI-0312FS** 3.0 x 3.0 x 1.2mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~22μH • DCR (Max): 80~630mΩ
 • Idc (Max): 1.20~0.38A



★ **ASPI-0312FSSA** 3.0 x 3.0 x 1.2mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~22μH • DCR (Max): 69~700mΩ
 • Idc (Max): 1.55~0.43A



★ **ASPI-0315FS** 3.0 x 3.0 x 1.5mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~47μH • DCR (Max): 60~1200mΩ
 • Idc (Max): 1.45~0.33A



★ **ASPI-0315FSSA** 3.0 x 3.0 x 1.5mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~47μH • DCR (Max): 60~1200mΩ
 Idc (Max): 1.6~0.37A



★ **ASPI-0410FS** 4.0 x 4.0 x 1.0mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~47μH • DCR (Max): 90~1500mΩ
 • Idc (Max): 1.25~0.27A



★ **ASPI-0412FS** 4.0 x 4.0 x 1.2mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~22μH • DCR (Max): 70~550mΩ
 • Idc (Max): 1.80~0.60A



★ **ASPI-0418FS** 4.0 x 4.0 x 1.8mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~22μH • DCR (Max): 60~360mΩ
 • Idc (Max): 2.7~0.95A



★ **ASPI-0612FS** 6.0 x 6.0 x 1.2mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~47μH • DCR (Max): 65~970mΩ
 • Idc (Max): 2.4~0.56A



★ **ASPI-0615FS** 6.0 x 6.0 x 1.5mm
Low Profile SMD Power Inductor
 L RANGE: 2.2~47μH • DCR (Max): 50~790 •
 Idc (Max): 3.0~0.77A



ASPI-3012S 3.0 x 3.0 x 1.4mm
 L RANGE: 0.82~100μH • DCR (Max):
 0.030~2.86Ω • Idc (Max): 2.05~0.21A



ASPI-5040S 5.0 x 5.0 x 4.0mm
 L RANGE: 1.5~47μH • DCR (Typ): 0.020~0.31Ω
 • Isat (Max): 6.0~1.1A

MAGNETICS



ASPI-6045S 6.0 x 6.0 x 4.5mm
L RANGE: 0.82~330μH • DCR (Max):
0.008~1.269Ω • Idc (Max): 10.35~0.57A



ASPI-8040S 8.0 x 8.0 x 4.0mm
L RANGE: 1.0~330μH • DCR (Max): 0.008~0.889Ω
• Idc (Max): 9.85~0.68A



ASPI-0315S 3.8 x 3.8 x 1.8mm,
MINI SHIELDED L RANGE: 3.3~330μH
• DCR (Max): 0.085~9.45Ω • Idc (Max):
1.10~0.32A



ASPI-0428S 4.7 x 4.7 x 3.0mm
MINI SHIELDED L RANGE: 1.2~180μH
• DCR (Max): 0.024~1.54Ω • Idc (Max):
2.56~0.22A



ASPI-0503S 5.7 x 5.7 x 3.0mm,
MINI SHIELDED L RANGE: 2.5~470μH
• DCR (Max): 0.018~2.69Ω • Idc (Max):
02.6~0.20A



ASPI-0602S 6.7 x 6.7 x 3.0mm
MINI SHIELDED L RANGE: 3.3~100μH
• DCR (Max): 0.040~0.54Ω • Idc (Max):
3.0~0.54A



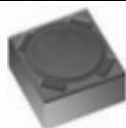
ASPI-0638S 6.7 x 6.7 x 4.0mm
MINI SHIELDED L RANGE: 3.3~100μH
• DCR (Max): 0.02~0.36Ω • Idc (Max): 3.5~0.65A



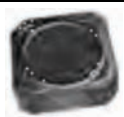
ASPI-104S 10.0 x 10.0 x 3.8mm,
MINI SHIELDED L RANGE: 7.0~470μH
• DCR (Max): 0.027~1.61Ω • Idc (Max):
4.8~0.60A



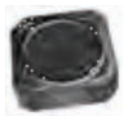
ALPI-6611 6.6 x 5.6 x 1.1mm
LOW PROFILE L RANGE: 1.2~330μH
• DCR (Max): 0.08~15Ω • Idc (Max): 2.1~0.13



ASPI-0703S 7.3 x 7.3 x 3.2mm
L RANGE: 10~1000μH • DCR (Max): 0.07~9.4Ω •
Idc (Max): 1.68~0.16A



★ **ASPI-0704S** 7.3 x 7.3 x 4.5mm
L RANGE: 2.2~1000μH • DCR (Max): 0.03~6.0Ω •
Idc (Max): 5.0~0.18A



ASPI-1205S 12.0 x 12.0 x 6.0mm,
L RANGE: 1.3~1000μH • DCR (Max): 0.01~1.53Ω •
Idc (Max): 8.0~0.4A



ASPI-1207S 12.0 x 12.0 x 8.0mm
L RANGE: 1.0~1000μH • DCR (Max): 0.006~1.5Ω
• Idc (Max): 14~0.7A



★ **ASPI-0403S** 6.6 x 4.5 x 2.92mm
L RANGE: 1.0~10,000μH • DCR (Max):
0.04~32.8Ω • Idc (Max): 3.0~0.02A



★ **ASPI-1306S** 18.5 x 15.2 x 7.6mm
L RANGE: 10.0~1,000μH • DCR (Max): 0.04~2.01Ω
• Dc (Max): 8.0~0.8A



ASPI-4118L 10.4 x 10.4 x 4.5mm
HIGH CURRENT L RANGE: 0.36~4.3μH
• DCR (Max): 0.002~0.022Ω • Idc (Max):
18.0~5.0A



ASPI-4118S 10.4 x 10.4 x 4.5mm
HIGH CURRENT L RANGE: 0.22~2.5μH
• DCR (Max): 0.002~0.022Ω • Idc (Max):
18.0~5.0A



ASPI-4122L 10.4 x 10.4 x 5.6mm
HIGH CURRENT L RANGE: 0.36~8.8μH
• DCR (Max): 0.0017~0.024Ω • Idc (Max):
4.9~19.0A



ASPI-4122S 10.4 x 10.4 x 5.6mm
HIGH CURRENT L RANGE: 0.22~5.0μH • DCR
(Max): 0.0017~0.024Ω • Idc (Max): 4.9~19.0A



ASPI-4122H 10.4 x 10.4 x 5.6mm
HIGH CURRENT L RANGE: 0.15~3.0μH • DCR
(Max): 0.0017~0.024Ω • Idc (Max): 4.9~19.0A



ASPI-5123S 12.9 x 12.9 x 5.7mm
HIGH CURRENT L RANGE: 1.5~10.0μH • DCR
(Max): 0.002~0.013Ω • Idc (Max): 14~5.0A



ASPI-5123H 12.9 x 12.9 x 5.7mm
HIGH CURRENT L RANGE: 1.0~7.0μH • DCR
(Max): 0.002~0.013Ω • Idc (Max): 16.5~7.6Ω



ASPI-5123U 12.9 x 12.9 x 5.7mm
HIGH CURRENT L RANGE: 0.4~5.6μH • DCR
(Max): 0.002~0.013Ω • Idc (Max): 18.5~7.6A



ASPI-2D 3.2 x 3.2 x 1~2mm LOW PROFILE
L RANGE: 1.2~47μH • DCR (Max): 41~660mΩ
• Idc (Max): 0.2~1.8A



ASPI-3D 3.8 x 3.8 x 1.8mm LOW PROFILE
L RANGE: 1.5~220μH • DCR (Max): 56 ~ 4770mΩ
• Idc (Max): 1.55~0.13A



ASPI-4D 4.7 x 4.7 x 2.0mm LOW PROFILE
L RANGE: 1.0~180μH • DCR (Max): 45~400mΩ
• Idc (Max): 0.14~1.72A



ASPI-5D 5.7 x 5.7 x 2.0mm LOW PROFILE
L RANGE: 4.1~470μH • DCR (Max): 0.057 ~
6.56mΩ • Idc (Max): 1.95~0.18A

MAGNETICS



ASPI-7318 7.3 x 6.8 x 3.0mm
HIGH CURRENT L RANGE: 0.22~22μH • DCR
 (Max): 0.003~0.23Ω • I_{dc} (Max): 34~3A



ASPI-06P 7.3 x 6.8 x 3.0mm
HIGH CURRENT L RANGE: 0.1~10.0μH • DCR
 (Max): 0.002~0.105Ω • I_{dc} (Max): 60.0~7.0A



ASPI-1367 14.0 x 12.9 x 6.7mm
HIGH CURRENT L RANGE: 0.1~10.0μH • DCR
 (Max): 0.005~0.019Ω • I_{dc} (Max): 80~15.5A



ASPI-1338 13.8 x 12.9 x 3.8mm
HIGH CURRENT L RANGE: 1.0~10.0μH • DCR
 (Max): 9.6~34.0mΩ • I_{dc} (Max): 84~14A

CHOKES



ACCC-0805 2.0 x 1.25 x 0.85mm
 Impedance Range: 90~1000Ω • DCR (Ω): 1~3.5
 • I_r (Max): 100mA • V_r (Max): 16V
 • I_R (Min): 20MΩ



ACCC-1206 3.2 x 1.6 x 1.15mm
 Impedance Range: 90~1000Ω • DCR (Ω): 1~4.5
 • I_r (Max): 100mA • V_r (Max): 16V
 • I_R (Min): 20MΩ



ACM-21 2.0 x 1.2 x 1.2mm
 Impedance Range: 67~370Ω • DCR (Max):
 0.25~0.4Ω • I_{dc} (Max): 400~280mA



ACM-31 3.20 x 1.60 x 1.80mm
 Impedance Range: 90~2200Ω • DCR (Max):
 0.3~1.2Ω • I_{dc} (Max): 370~200mA



ACM-41 4.95 x 3.50 x 2.20mm
 Inductance Range: 1.25~20Ω • DCR (Max):
 0.5~2.2Ω • I_{dc} (Max): 800~400mA



ASTC-01 8.9 x 11.4 x 4.7mm
 Inductance Range: 0.42~300μH • DCR (Max)
 Parallel: 0.006~1.5Ω • I_{dc} (Max) Parallel:
 5.5~0.32A • Inductance measured at: 100KHz,
 0.1VRMS • Hipot: 250VRMS, 1min



ASTC-02 11.4 x 14.0 x 6.4mm
 Inductance Range: 0.49~299μH • DCR (Max)
 Parallel: 0.005~1.43Ω • I_{dc} (Max) Parallel:
 5.5~0.22A



ASTC-03 8.9 x 11.4 x 4.7mm
 Inductance Range: 0.4~302.5μH • DCR (Max)
 Parallel: 0.005~1.43Ω • I_{dc} (Max) Parallel:
 5.5~0.22A



ASTC-04 11.4 x 14.0 x 6.4mm
 Inductance Range: 0.44~298μH • DCR (Max)
 Parallel: 0.004~0.67Ω • I_{dc} (Max) Parallel:
 7.0~0.62A



ASTC-4H 11.4 x 13.9 x 6.35mm
 Inductance Range: 0.31~1000μH • DCR (Max)
 Parallel: 0.005~1.43Ω • I_{dc} (Max) Parallel:
 22.5~0.25A



ALFT-02A 18.6 x 20.6 x 13.0mm
 Inductance Range: 0.4~39mH • DCR (Max):
 0.006~1.9Ω • I_{dc} (Max) Parallel: 2.6~0.4A •
 Inductance measured at: 1KHz, 0.1VRMS • Hipot:
 1500VRMS min



ALFT-03A 23.9 x 18.0 x 21.6mm
 Inductance Range: 0.6~105mH • DCR (Max)
 Parallel: 0.003~1.5Ω • I_{dc} (Max) Parallel:
 22.5~0.25A • Inductance measured at: 1KHz,
 0.1VRMS • Hipot: 2000VRMS min



ALFT-04 30.5 x 31.8 x 16.3mm
 Inductance Range: 0.24~10mH • DCR (Max)
 Parallel: 0.005~0.04Ω • I_{dc} (Max) Parallel: 20~8A
 • Inductance measured at: 1KHz, 0.1VRMS •
 Hipot: 2000VRMS min



ALFT-06 15.2, 20.3, or 30.5 x 11.4, 14.0, or 20.3
 x 10.2, 12.7, or 17.8 x 5.1 ~ 10.2
 • Inductance Range: 0.6~50mH • DCR (Max)
 Parallel: 0.02~0.2Ω • I_{dc} (Max) Parallel: 1~10A •
 Inductance measured at: 1KHz, 0.1VRMS
 • DWV: 3750VRMS min



ALFT-12 17.0 x 11.0 x 12.0mm
 L_p (mH) min: 0.5~22 • I_{RATED} (A) max:
 1.50~0.27 • DCR (W) max: 0.12~4.0
 • Hipot: 3750 VRMS Min



ALFT-16 11.4 x 13.9 x 6.35mm
 Inductance Range: 0.35~1600μH • DCR (Max)
 Parallel: 0.005~0.30Ω • I_{dc} (Max) Parallel:
 5.7~0.75A • Inductance measured at: 100KHz,
 0.1VRMS • Hipot: 300VRMS, 1sec

EMI SUPPRESSION FERRITE CHIP BEADS (FCB)

General Purpose FCB



★ **ACML-0402** 1.0 x 0.5 x 0.5mm, **MULTILAYER**
 Impedance Range (Z): 5~600Ω • DCR (Ω):
 0.05~1.0 • I_r (mA) : 500~100 • Z Test Freq.:
 100MHz



★ **ACML-0603** 1.6 x 0.8 x 0.8mm **MULTILAYER**
 Impedance Range (Z): 6~2000Ω • DCR (Ω):
 0.05~1 • I_r (mA) : 1000~200 • Z Test
 Freq.: 100MHz



★ **ACML-0805** 2.0 x 1.25 x 0.85mm,
SURFACE MOUNT MULTILAYER Impedance Range
 (Z): 22~1000Ω • DCR (Ω): 0.01~0.12 • I_r (mA):
 6000~1500 • Z Test Freq.: 100MHz

High Current FCB



ACML-0402H 1.0 x 0.5 x 0.5mm
 Impedance Range (Z): 5~1500Ω • DCR (Ω):
 0.05~1.3 • I_r (mA) : 500~60 • Z Test Freq.:
 100MHz

MAGNETICS



★ **ACML-0603H** 1.6 x 0.8 x 0.8mm
Impedance Range (Z): 5~600Ω • DCR (Ω): 0.03~0.35 • Ir (mA) : 2000~800 • Z Test Freq.: 100MHz



ACML-0805H 2.0 x 1.25 x 0.85mm
Impedance Range (Z): 30~600Ω • DCR (Ω): 0.02~0.25 • Ir (mA) : 3000~500 • Z Test Freq.: 100MHz

High Frequency FCB



ACHB-0402 1.0 x 0.5 x 0.5mm
Impedance Range (Z): 120~600Ω • DCR (Ω): 0.7~1.9 • Ir (mA) : 300~100 • Z Test Freq.: 100MHz



ACHB-0603 1.6 x 0.8 x 0.8mm Impedance Range (Z): 120~1000Ω • DCR (Ω): 0.5~1.8 • Ir (mA) : 300~100 • Z Test Freq.: 100MHz



ACHB-0603G 1.6 x 0.8 x 0.8mm
Impedance Range (Z): 470~1000Ω • DCR (Ω): 0.5~1.8 • Ir (mA) : 300~100 • Z Test Freq.: 100MHz

Sharp Impedance FCB



ACSB-0402 1.0 x 0.5 x 0.5mm
Impedance Range (Z): 10~600Ω • DCR (Ω): 0.1~1.0 • Ir (mA) : 500~150 • Z Test Freq.: 100MHz



ACSB-0603 1.6 x 0.8 x 0.8mm
Impedance Range (Z): 10~1000Ω • DCR (Ω): 0.1~1.5 • Ir (mA) : 500~200 • Z Test Freq.: 100MHz



ACSB-0805 2.0 x 1.25 x 0.85mm
Impedance Range (Z): 10~2000Ω • DCR (Ω): 0.1~1.0 • Ir (mA) : 500~200 • Z Test Freq.: 100MHz



ACSB-1206 3.2 x 1.6 x 0.9mm
Impedance Range (Z): 30~2000Ω • DCR (Ω): 0.1~0.5 • Ir (mA) : 600~300 • Z Test Freq.: 100MHz



ACSB-01 3.0 x 2.5 x 2.0mm
Impedance Range (Z): 20~30Ω • DCR (Ω): 0.1~0.5 • Z Test Freq.: 25/100MHz



ACSB-02(B) 8.5 x 3.1 x 2.6mm
Impedance Range (Z): -02: 90Ω/02B: 60Ω/60Ω • DCR (Ω): 0.9 Max • Z Test Freq.: 25/100M



ACSB-03(B) 4.0 x 3.1 x 2.6mm
Impedance Range (Z): -03: 47 Ω/-03B: 30Ω/30Ω • DCR (Ω): 0.6 Max • Z Test Freq.: 25/100MHz



ACSB-04 5.0 x 4.5 x 3.0mm
Impedance Range (Z): 23~47Ω • DCR (Ω): 0.8 Max • Z Test Freq.: 100MHz



ACSB-05 4.5 x 5.6 x 3.0mm
Impedance Range (Z): 23~35Ω • DCR (Ω): 0.8 Max • Z Test Freq.: 100MHz

Ferrite Chip Bead Array



ACBA-1206 3.2 x 1.6 x 0.9mm
Impedance Range (Z): 60~1000Ω • DCR (Ω): 0.25~1.0Ω • Ir (mA) : 300~100mA • Z Test Freq.: 100MHz

TRANSFORMERS

Modem Transformers



ACTT-1055 15.0 x 15.0 x 12.5mm
Turns (±5%, Max): 1:1 • Secondary DCR (Ω, Max): 67.85 • Primary DCR (Ω, Max): 67.85 • Secondary Impedance (Ω, Max): 690 • Primary Impedance (Ω, Max): 690

Current Sense Transformers



ACST-001, ACST-005 6.35 x 10.16 x 23.4mm • OCL Range: 5mH • Turns (±2%, Max): 50 (CT) • DCR (Ω, Max): 0.7 • ET(V-μSec, Max): 150



ACST-002, ACST-006 6.35 x 10.16 x 23.4mm • OCL Range: 20mH • Turns (±2%, Max): 100(CT) • DCR (Ω, Max): 1.4 • ET(V-μSec, Max): 300



ACST-003, ACST-007 6.35 x 10.16 x 23.4mm • OCL Range: 80mH • Series V(C.T.): 200(CT) • DCR (Ω, Max): 4.5 • ET(V-μSec, Max): 600



ACST-004, ACST-008 6.35 x 10.16 x 23.4mm OCL Range: 180mH • Turns (±2%, Max): 300(CT) • DCR (Ω, Max): 11 • ET(V-μSec, Max): 90



ACST-120 7.62 x 13.34 x 27.31mm OCL Range: 5~2000mH • Turns (±2%, Max): 50~2000(CT) • DCR (Ω, Max): 0.7~110



ACST-118 13.97 x 9.65 x 14.73mm
OCL Range: 150, 600 OR 4000mH • Turns (±2%, Max): 10, 20, 50 • Secondary DCR (Ω, Max): 0.055, 0.097, 0.24 • Primary DCR (Ω, Max): 0.006 • ET(V-μSec, Max): 600



ACST-11 19.91 x 14.48 x 10.0mm OCL Range: 0.3~29mH • Turns (±2%, Max): 20~200 • DCR (Ω, Max): 1.4~14 • R load (Ω): 0.57~5.72



ACST-112 7.8 x 6.5 x 6.1mm OCL Range: 0.6~10mH • Turns (±2%, Max): 30~200 • DCR (Ω, Max): 5~33

MAGNETICS

Toroidal Encapsulated Transformers



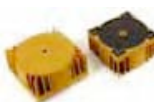
ALCTT-0016 40.0 x 18.5 x 35.56mm
Power: 1.6VA • Series V(C.T.): 12~48 • Series mA (RMS): 133~33 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 266~66 • ET(V-μSec, Max): 150



ALCTT-0032 45.0 x 19.5 x 40.64mm
Power: 3.2VA • Series V(C.T.): 12~48 • Series mA (RMS): 266~66 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 532~132



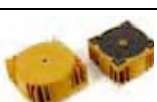
ALCTT-0070 50.0 x 23.1 x 45.72mm
Power: 7.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 583~145 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 1166~290



ALCTT-0100 56.0 x 26.0 x 50.08mm |
Power: 10.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 0.833~0.208 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 1.666~0.416



ALCTT-0150 61.0 x 26.3 x 55.88mm Power:
15.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 1.25~0.312 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 2.5~0.624



ALCTT-0250 61.0 x 37.5 x 55.88mm
Power: 25.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 2.083~0.52 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 4.166~1.04



ALCTT-0350 75.0 x 37.5 x 66.04mm Power:
35.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 2.916~0.729 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 5.832~1.458



ALCTT-0500 82.4 x 37.5 x 76.02mm
Power: 50.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 4.166~1.041 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 8.332~2.082



ALCTT-0650 92.0 x 39.0 x 83.82mm Power:
65.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 5.416~1.354 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 10.832~2.708

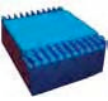


ALCTT-0850 100.0 x 42.0 x 91.44mm Power:
85.0VA • Series V(C.T.): 12~48 • Series mA (RMS): 7.083~1.77 • Parallel V(C.T.): 6~24 • Parallel mA (RMS): 14.166~3.54

Low Profile Encapsulated Transformers



ALPT-02 43.5 x 52.5 x 17.0
Power: 2.0VA • Series V(C.T.): 10~230 • Series A (RMS): 200~9 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 400~18



ALPT-03 43.5 x 52.5 x 17.0
Power: 3.0VA • Series V(C.T.): 10~230 • Series A (RMS): 300~13 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 600~26



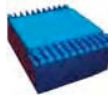
ALPT-04 43.5 x 52.5 x 19.0
Power: 4.0VA • Series V(C.T.): 10~230 • Series A (RMS): 400~17 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 800~34



ALPT-06 43.5 x 52.5 x 22.0
Power: 6.0VA • Series V(C.T.): 10~230 • Series A (RMS): 600~26 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 1200~52



ALPT-08 43.5 x 52.5 x 28.0
Power: 8.0VA • Series V(C.T.): 10~230 • Series A (RMS): 800~35 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 1.6~7.0



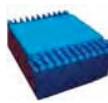
ALPT-010 43.5 x 52.5 x 28.0
Power: 10.0VA • Series V(C.T.): 10~230 • Series A (RMS): 1.0~0.043 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 2.0~0.086



ALPT-14 57.0 x 68.0 x 24.0
Power: 14VA • Series V(C.T.): 10~230 • Series A (RMS): 1.4~0.06 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 2.8~0.1



ALPT-18 57.0 x 68.0 x 27.0
Power: 18VA • Series V(C.T.): 10~230 • Series A (RMS): 1.8~0.078 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 3.6~0.1

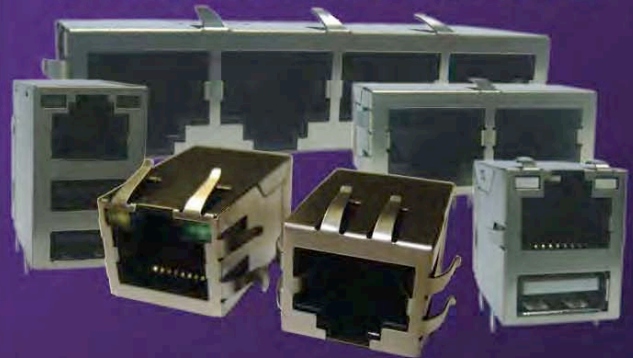


ALPT-24 57.0 x 68.0 x 31.0
Power: 24VA • Series V(C.T.): 10~230 • Series A (RMS): 2.4~0.104 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 4.8~0.208



ALPT-30 57.0 x 68.0 x 35.0
Power: 30VA • Series V(C.T.): 10~230 • Series A (RMS): 3.0~0.13 • Parallel V(C.T.): 5~115 • Parallel A (RMS): 6.0~0.26

NEW! RJ45 10/100/1000 BASE-T JACK WITH MAGNETIC MODULES



- LAN Magnatic with RJ45 suitable for 10/100/1000Base-T applications
- Magnetic designs to support every PHY
- Multiple sizes and speed available: 1x2, 1x4, 2x1 for 10/100/1000 Base-T
- SMD and thru hole parts available with and without LEDs and EMI fingers
- Multiple LED colors, LED configurations, gold plating thickness available
- Tab-DOWN & Tab-UP options available
- Low EMI radiation and to improve EMI performance
- Various turns ratio options available as required by LAN IC manufacturer
- Integrated modular design provides higher reliability and conserves minimizing PCB space
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP
- Complies with IEEE standards and all Ethernet specifications including 350uH with 8mA DC bias
- Internal magnetics are 100% electrically tested for Minimum interwinding breakdown voltage of 1500Vrms
- Suitable for RoHS compliant reflow temperatures up to 260?
- Recognized by UL 60950-1
- Applications: NIC, LoM and PC
- Operation Life : 750 Cycles Min.

NEW! ASH7K
32.768kHz SMD CRYSTAL OSCILLATOR
Ultra-miniature size
3.2 x 1.5 x 1.0mm!



- Low Voltage Operation (Min:1.5V)
- Low Current Consumption (3.5uA Max @1.5V)
- Operating temperature : -40 to +85 °C
- VDD controls the output amplitude
- Tri-state function

NEW! The smallest package size in the industry at 1.6 x 1.2 x 0.46mm!



ABM12 - ULTRA MINIATURE CERAMIC SMD CRYSTAL

ASVTX-12
TEMPERATURE COMPENSATED/
VOLTAGE CONTROLLED CRYSTAL
OSCILLATOR - 2.5 X 2.0 X 0.9mm

- Ultra miniature and low height 0.9mm
- Low current consumption 2mA
- Low phase noise
- Vc function corresponds to PLL circuits
- Suitable for RoHS reflow profile
- Low phase noise



NEW! ULTRA LOW NOISE POWER SUPPLY MODULE
ABPSM-ULN-A



- AC Adapter Input Voltage 100VAC to 240VAC; 50Hz and 60Hz cycles - World Wide Capability
- Four DC Output Ports, 1.8V, 2.5V 3.3V & 5.0V
- Current Sourcing Capability 200mA max each port
- Exceptional low noise density; < 7nV / √Hz @ 1kHz offset Typical Better than 0.30μVrms over 0.1Hz to 1kHz bandwidth (best-in-class)
- Convenient, Ultra Low Noise Solution offering most common bias levels
- Portable - Small form factor [3.50" * 1.50" * 0.65"] Machined Aluminum enclosure
- No external heat sinking is required

NEW! Low Jitter - Octal Clock Distribution Module - ABCDM



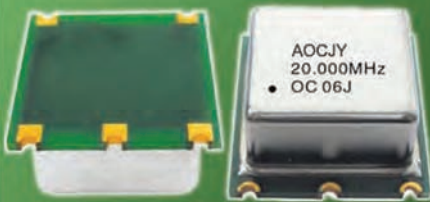
- Non PLL based high frequency compact reference - Optimized for Jitter and Phase Noise
- 8-differential outputs facilitating multiple clocking needs
- All outputs derived from the same low noise crystal oscillator - making all outputs frequency coherent max rms jitter over 12kHz to 20MHz BW)
- Ultra fast rise & fall times satisfying demanding needs
- ±50 ppm All Inclusive Frequency Stability over 10-years (no adjustment needed)
- Metal shield reducing any EMI related concerns
- Compact Size, 9"14"2 mm solution saving board space in high density designs

NEW! SYNC 'N GO - PORTABLE PRECISION FREQUENCY REFERENCE



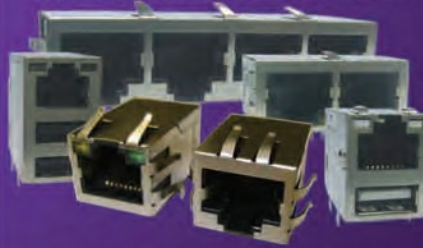
- Stand Alone 10.00MHz Portable Precision Frequency Reference
- World Wide Capability
- Built-in Stratum-III stability, 10.00MHz Signal tuned into 50C's
- Synchronization circuitry providing dynamic sync capability, enabling calibration to a known source such as; a GPS Tracked 10.00MHz reference/10.00MHz Rubidium Source/10.00MHz OCXO based reference
- Integrated re-chargeable batteries to provide true stand-alone capability in the field
- Once sync'd; guaranteed ±300 ppb stability over 0°C to 60°C
- Pocket Size - 3.50" * 1.50" * 1.00"; machined aluminum durable enclosure
- Accompanied with a Universal AC-DC Charger
- Continuously operable at full charge for 10-hours

AOCJY SERIES!
SMD OVEN CONTROLLED CRYSTAL OSCILLATOR



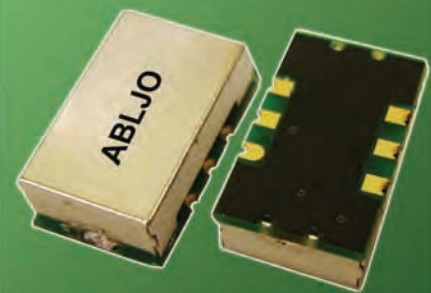
- 25.4 x 22.1 x 12.5 mm True SMT- RoHS Compliant Reflow-able Package
- SC-Cut, High "Q" resonator based design
- Either Sinewave or HCMOS RF output
- Available with ±30 ppb over -40°C to +75°C operating temperature Range
- Tighter Stabilities to ±5.0 ppb over 0°C to +50°C also available
- Exceptional long-term Aging of ±500 ppb over 10-Year Product Life
- Excellent close-in phase noise (-130 dBc/Hz Typical @100 Hz offset from 10MHz carrier)

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- LAN Magnatic with RJ45 suitable for 10/100/1000Base-T applications
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- Various turns ratio options available as required by LAN IC manufacturer
- Integrated modular design provides higher reliability and conserves minimizing PCB space
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP
- Complies with IEEE standards and all Ethernet specifications including 350uH with 8mA DC bias
- Internal magnetics are 100% electrically tested for Minimum interwinding breakdown voltage of 1500Vrms
- Suitable for RoHS compliant reflow temperatures up to 260?
- Recognized by UL 60950-1
- Applications: NIC, LoM and PC
- Operation Life : 750 Cycles Min.

NEW! THE ABLJO!
LOW JITTER CRYSTAL OSCILLATOR



- High "Q", 3rd Overtone Crystal Technology
- Ultra Low Jitter performance 0.10 ps Max. (12kHz to 20MHz)
- Standard LVCMOS RF Output
- Wide Operating Temperature (-40°C to +85°C) standard
- ±40 ppm Max. All inclusive Stability (including Aging) over 10-years
- (17) Standard Frequencies between 80MHz & 200MHz
- 9x14mm RoHS Compliant SMT package



ABRACON CORPORATION

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