

Power Common Mode Chokes



ACMP-1566 Series

Request Samples



Check Inventory



15.0 x 13.0 x 6.6 mm
RoHS/RoHS II Compliant
MSL Level = 1

Features

- Commercial Grade
- PPAP ready and supported
- Excellent impedance characteristics
- Rated current up to 13A
- Extremely Low DCR

Applications

- DC power line common mode noise suppression.
- Switch Mode Power Supplies and regulators
- Variable Frequency Drives
- AC/DC power rectifiers

Electrical Specifications

Part Number	Impedance (Ω) @100MHz		DCR (mΩ)	Rated Current (A)	Rated Voltage (Vdc)	Insulation Resistance (MΩ)
	Min	Typ.	Max	Typ.	Max	Min
ACMP-1566-301	225	300	5.0	13	80	10
ACMP-1566-501	400	500	6.0	10	80	10
ACMP-1566-551	400	550	6.0	10	80	10
ACMP-1566-601	500	600	7.0	10	80	10
ACMP-1566-701	500	700	7.0	10	80	10
ACMP-1566-102	800	1000	10	9	80	10
ACMP-1566-152	1200	1500	23	5	80	10

Rated Current is based on an Irms temperature rise of 40°C

Operating Temperature: -40°C to +125°C (Including self-heating)

Storage (in original packaging): <40°C, <70% RH

ACMP-1566 Series is RoHS Compliant and Pb free

Power Common Mode Chokes



ACMP-1566 Series

Request Samples

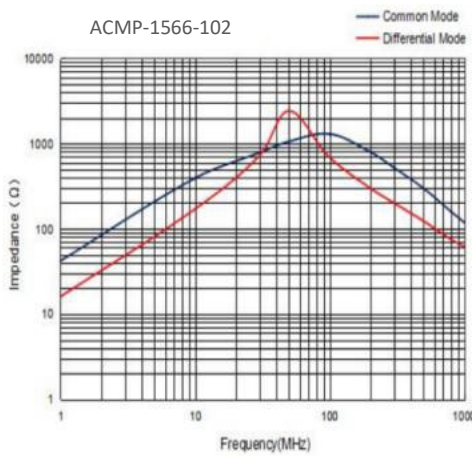
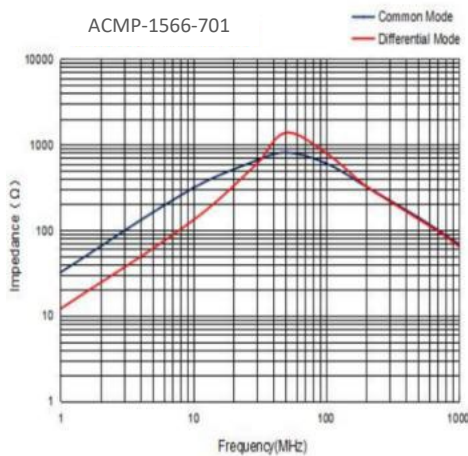
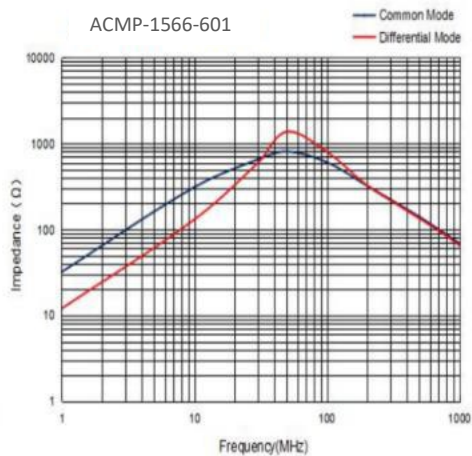
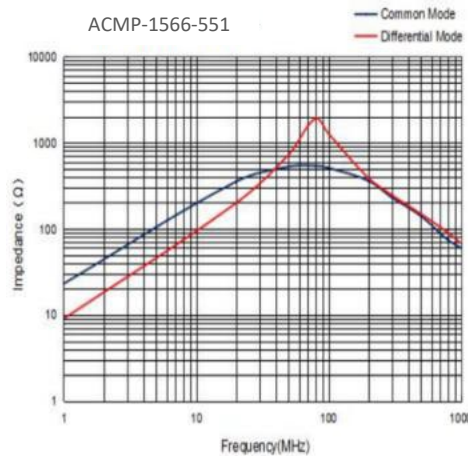
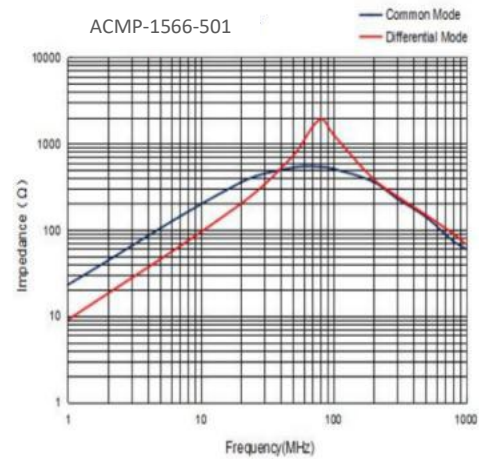
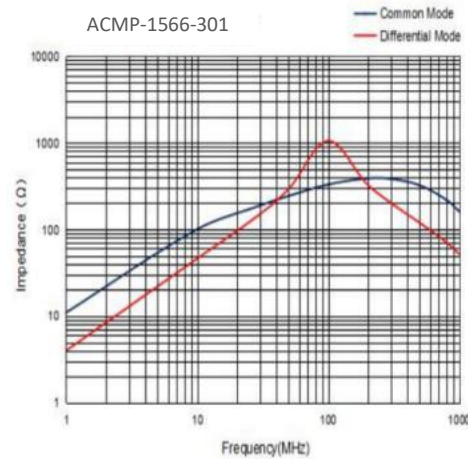


Check Inventory



15.0 x 13.0 x 6.6 mm
RoHS/RoHS II Compliant
MSL Level = 1

Electrical Specifications (Cont'd)



Power Common Mode Chokes



ACMP-1566 Series

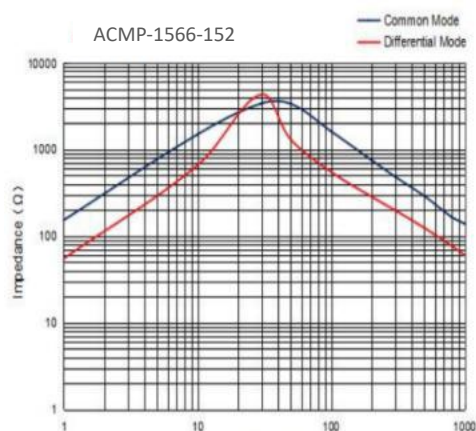
Request Samples



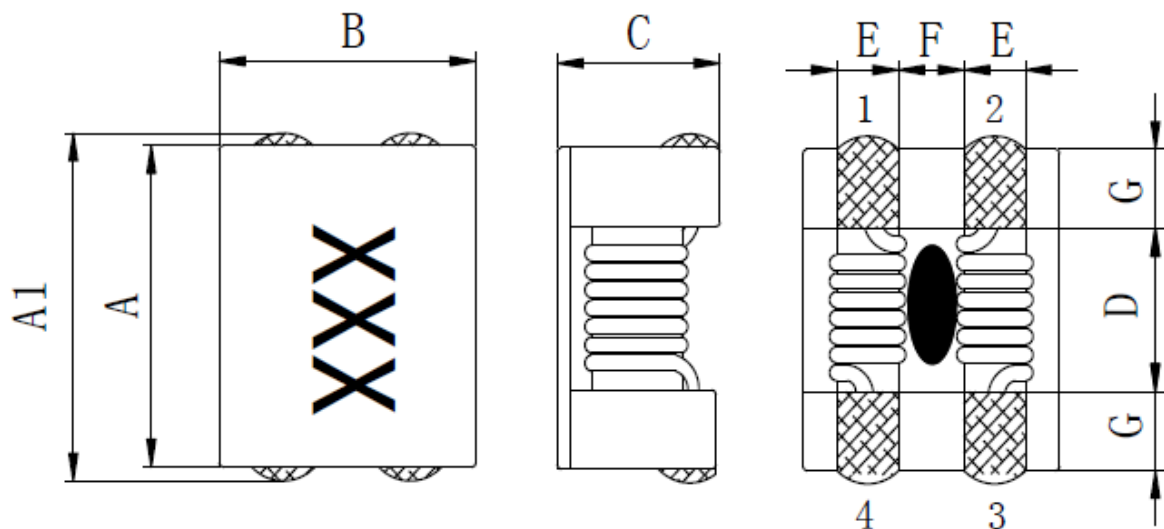
Check Inventory



15.0 x 13.0 x 6.6 mm
RoHS/RoHS II Compliant
MSL Level = 1



Mechanical Specifications



A	A1	B	C	D	E	G
15.0 ± 0.5	15.6 ± 0.5	13 ± 0.5	6.6 MAX	9.4 Ref.	2.6 Ref	2.5 Ref.

Dimensions: mm



Power Common Mode Chokes

ACMP-1566 Series

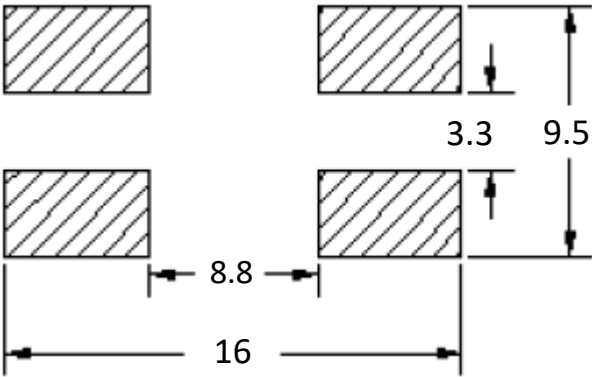
Request Samples



Check Inventory



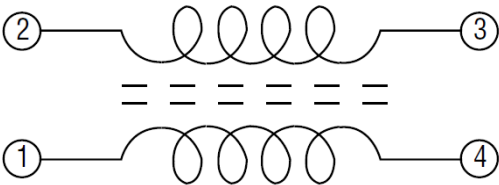
15.0 x 13.0 x 6.6 mm
RoHS/RoHS II Compliant
MSL Level = 1



Recommended Layout

Dimensions: mm

Schematic



Materials

Description	Specification
Core	Ferrite core
Wire	Enameled copper wire
Base	LCP
Adhesive	Epoxy resin
Terminal	Sn/Cu
Ink	White

Power Common Mode Chokes



ACMP-1566 Series

Request Samples

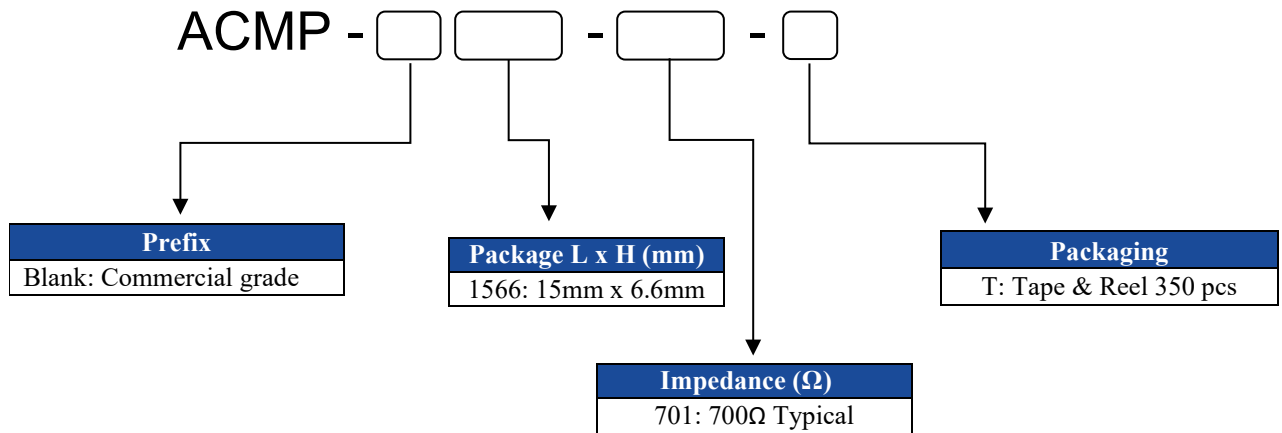


Check Inventory

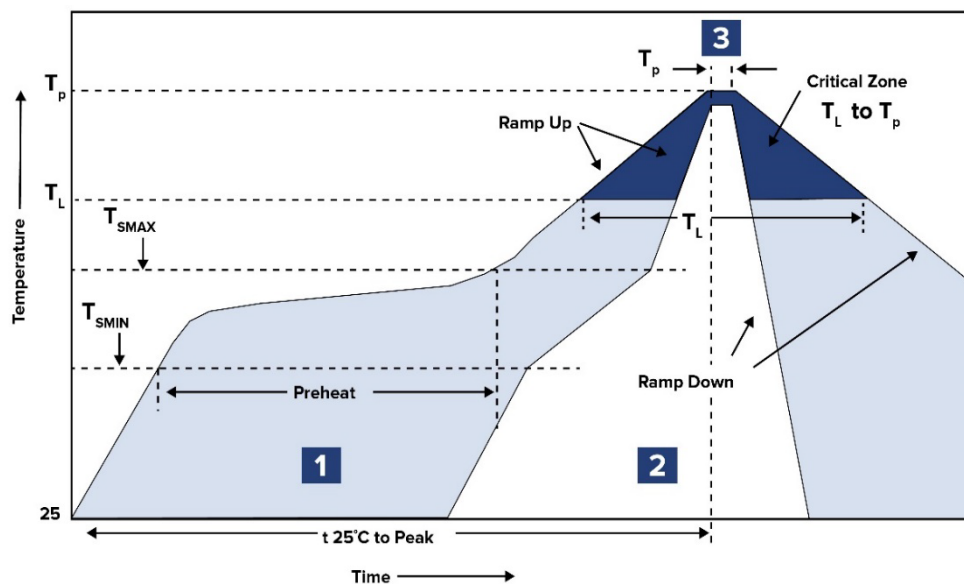


15.0 x 13.0 x 6.6 mm
RoHS/RoHS II Compliant
MSL Level = 1

Part Identification



Reflow Profile



Zone	Description	Temperature	Times
1	Preheat	$T_{SMIN} \sim T_{SMAX}$ 150°C ~ 190°C	60 ~ 120 sec.
2	Reflow	T_L 240°C	20 ~ 40 sec.
3	Peak heat	T_P 260°C Max.	5 sec. Max

1~2 °C/Sec. Ramp

Power Common Mode Chokes



ACMP-1566 Series

Request Samples



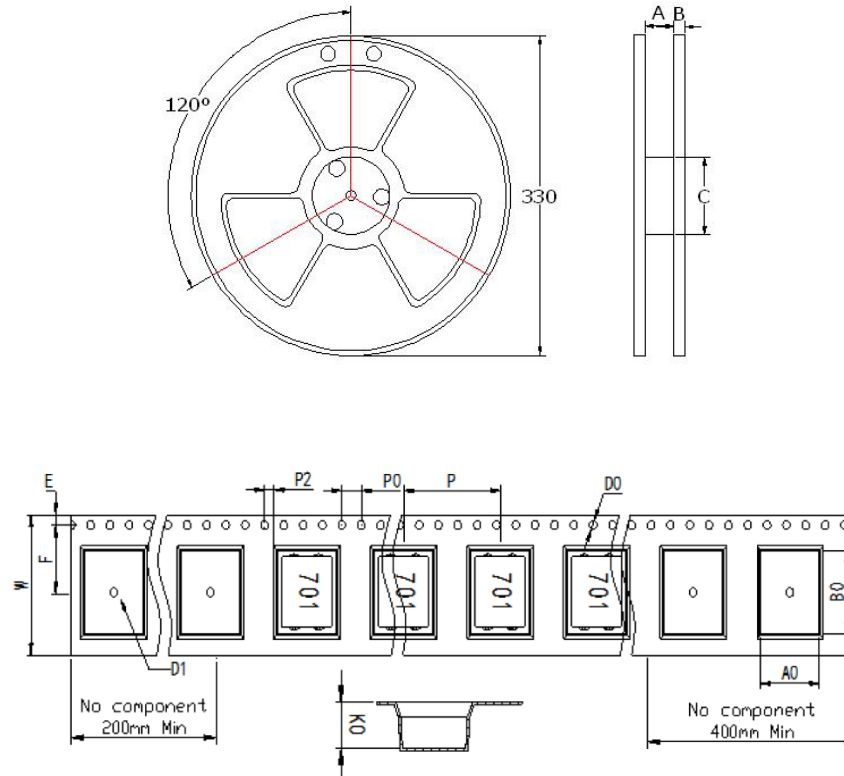
Check Inventory



15.0 x 13.0 x 6.6 mm
RoHS/RoHS II Compliant
MSL Level = 1

Packing

Tape & Reel: 350pcs/reel



W	P	P0	P2	D0	E	F	A0	B0	K0
24 ± 0.30	20 ± 0.10	4.0 ± 0.10	2.0 ± 0.10	1.5 ± 0.10	1.75 ± 0.10	11.5 ± 0.10	14 ± 0.10	16.1 ± 0.10	6.6 ± 0.10

Dimensions: mm

ATTENTION: Abracon LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon LLC is required. Please contact Abracon LLC for more information.



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISION: IR 06-29-22

ABRACON IS
ISO9001-2015
CERTIFIED

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[ACMP-1566-102-T](#) [ACMP-1566-152-T](#) [ACMP-1566-301-T](#) [ACMP-1566-501-T](#) [ACMP-1566-551-T](#) [ACMP-1566-601-T](#) [ACMP-1566-701-T](#)