

## CHIPSET CRYSTALS AND OSCILLATORS

Crystek Crystals Corporation has worked with Chipset manufacturers to develop crystal and oscillator solutions that are compatible with their specific Chipsets.

As with all design work it is sometimes necessary to alter the frequency for a customer specific application and the engineering team at Crystek is available to assist with crystal and oscillator design modifications. The list of product below are the Qualified and Recommended Crystals and Oscillators for these specific Chipsets shown. Other Chipset reference designs are available. Contact a Mouser Sales Representative for more information.

**AMD** Application: PDA's, Web Tablets, Portable and Wired Internet Access Devices, and Gateways **For quantities greater than listed, call for quote.**

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each			
							1	10	100	1000
Au1000	549-016906	16906	A	CMD6A	12.000000	-20°C to +70°C	1.72	1.51	.86	.602
Au1100	549-017130	17130	B	5x7mm SMD	12.000000	-20°C to +70°C	1.72	1.51	.86	.602
Au1100	549-016929	16929	C	CSX3	12.000000	-20°C to +70°C	2.28	2.00	1.24	.759
Au1100	549-017181	17181	B	5x7mm SMD	13.500000	0°C to +70°C	2.36	2.07	1.18	.826
Au1100	549-017131	17131	B	5x7mm SMD	24.576000	-20°C to +70°C	1.80	1.58	.90	.63

**Atmel** Application: Smart RF, RF Microcontrollers, RF ISM for RF Wireless Systems

Part No.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each
AT86RF401	549-016757	16757	D	HC49S SMD	13.125225	-40°C to +85°C
AT86RF401	549-016758	16758	D	HC49S SMD	18.080000	-40°C to +85°C
T5744	549-017057	17057	D	HC49S SMD	4.906250	-40°C to +85°C
T5744	549-017128	17128	D	HC49S SMD	6.764380	0°C to +70°C
T5753	549-017113	17113	D	HC49S SMD	9.843750	-40°C to +85°C

**Maxim** Application: RF Microcontrollers for Garage door openers, Remote Controls, Security Systems, Medical Systems, Wireless Computer Peripherals

Part No.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each
MAX1470/MAX1473	549-016949	16949	D	HC49S SMD	4.6453	-40°C to +85°C
MAX1470/MAX1473	549-016867	16867	D	HC49S SMD	4.754687	-40°C to +85°C
MAX1470/MAX1473	549-016991	16991	D	HC49S SMD	5.223438	-40°C to +85°C
MAX1470/MAX1473	549-016926	16926	D	HC49S SMD	5.8484	-40°C to +85°C
MAX1470/MAX1473	549-016927	16927	D	HC49S SMD	5.9265	-40°C to +85°C
MAX1470/MAX1473	549-016868	16868	D	HC49S SMD	6.612813	-40°C to +85°C
MAX1471	549-017034	17034	D	HC49S SMD	9.509375	-40°C to +85°C
MAX1471	549-017035	17035	D	HC49S SMD	13.2256	-40°C to +85°C
MAX1472	549-016950	16950	D	HC49S SMD	9.625	-40°C to +85°C
MAX1472	549-016951	16951	D	HC49S SMD	10.78125	-40°C to +85°C
MAX1472	549-016952	16952	D	HC49S SMD	12.031125	-40°C to +85°C
MAX1472	549-016953	16953	D	HC49S SMD	12.1875	-40°C to +85°C
MAX1472	549-017000	17000	D	HC49S SMD	9.84375	-40°C to +85°C
MAX1472	549-017001	17001	D	HC49S SMD	13.56	-40°C to +85°C

**Microchip** Application: RF Microcontrollers for Garage door openers, Remote Controls, Security Systems, Medical Systems, Wireless Computer Peripherals (Crystals for ASK modulation and FSK available. Please contact your Mouser representative for more information.) \*FSK modulation

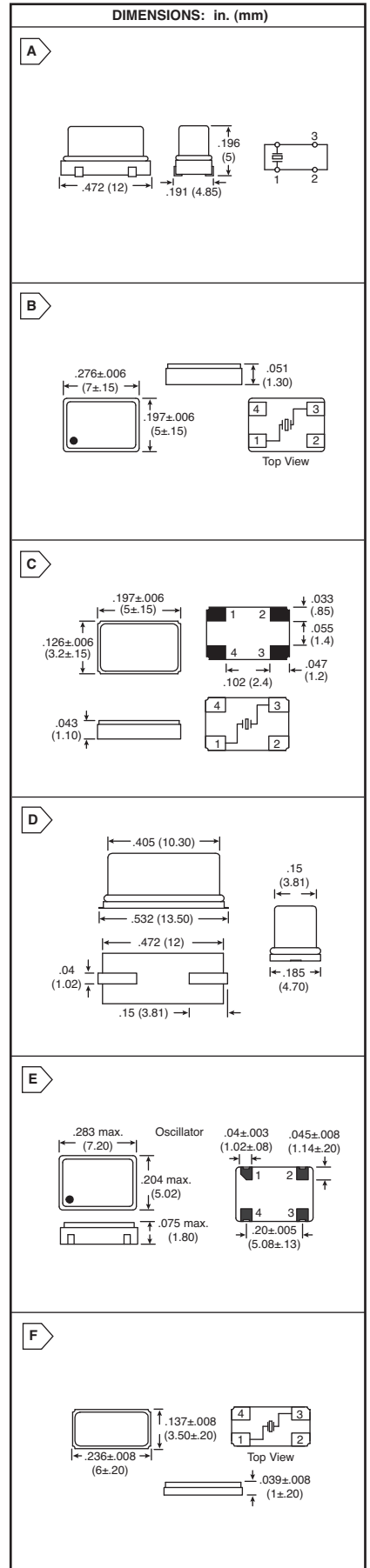
Part No.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each
rFHCS362G/362F	549-017161	17161	D	HC49S SMD	9.494531	-40°C to +85°C
rFHCS362G/362F	549-016875	16875	D	HC49S SMD	9.843750	-40°C to +85°C
rFHCS362G/362F	549-016876	16876	D	HC49S SMD	13.062500	-40°C to +85°C
rFHCS362G/362F	549-016877	16877	D	HC49S SMD	13.560000	-40°C to +85°C
rFHCS362G/362F	549-017270 *	17270	D	HC49S SMD	13.560000	-40°C to +85°C
rPIC12C509AG/509AF	549-017161	17161	D	HC49S SMD	9.494531	-40°C to +85°C
rPIC12C509AG/509AF	549-016875	16875	D	HC49S SMD	9.843750	-40°C to +85°C
rPIC12C509AG/509AF	549-016876	16876	D	HC49S SMD	13.062500	-40°C to +85°C
rPIC12C509AG/509AF	549-016877	16877	D	HC49S SMD	13.560000	-40°C to +85°C
rPIC12C509AG/509AF	549-017270 *	17270	D	HC49S SMD	13.560000	-40°C to +85°C
rPIC12F675F	549-016876	16876	D	HC49S SMD	13.062500	-40°C to +85°C
rPIC12F675F	549-016877	16877	D	HC49S SMD	13.560000	-40°C to +85°C
rPIC12F675H	549-017054	17054	D	HC49S SMD	27.134375	-40°C to +85°C
rPIC12F675H	549-017056	17056	D	HC49S SMD	28.593750	-40°C to +85°C
rPIC12F675K	549-017161	17161	D	HC49S SMD	9.494531	-40°C to +85°C
rPIC12F675K	549-017270 *	17270	D	HC49S SMD	13.560000	-40°C to +85°C
rPIC12F675K	549-016875	16875	D	HC49S SMD	9.843750	-40°C to +85°C
rRXD0420	549-016999	16999	D	HC49S SMD	20.356250	-40°C to +85°C
rRXD0420	549-017137	17137	D	HC49S SMD	25.456250	-40°C to +85°C
rRXD0420	549-016985 *	16985	D	HC49S SMD	26.451250	-40°C to +85°C
rRXD0420	549-017272	17272	D	HC49S SMD	26.451250	-40°C to +85°C
rRXD0920	549-017053	17053	D	HC49S SMD	26.800000	-40°C to +85°C
rRXD0920	549-017055	17055	D	HC49S SMD	28.259375	-40°C to +85°C
RXD0420	549-017160	17160	D	HC49S SMD	19.657812	-40°C to +85°C

**MindSpeed** Application: Datacom/Telecom Chipsets for E3/T3, LIU (line Interface Units), Framers **For quantities greater than listed, call for quote.**

Part No.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each
M28320/28335/29320	549-601137	601137	E	5x7mm SMD	34.368	-40°C to +85°C
M28320/28335/29320	549-601138	601138	E	5x7mm SMD	44.736	-40°C to +85°C
M28320/28335/29320	549-601139	601139	E	5x7mm SMD	51.840	-40°C to +85°C

**Texas Instruments** Application: BLUETOOTH, FIREWIRE, RF ISM, WLAN used in Computer and Home Automation

Part No.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each
TRF6903/4903/6901	549-017118	17118	F	3.5x6mm SMD	16.3840	-40°C to +85°C
TRF6901/6903/4903/Dolphin	549-017119	17119	F	3.5x6mm SMD	19.6608	-40°C to +85°C
TRF690x	549-017291	17291	F	3.5x6mm SMD	16.3840	-40°C to +85°C
TSB41BA3	549-017150	17150	B	5x7mm SMD	49.152000	0°C to +70°C
TSB81BA3	549-601251	601251	E	5x7mm SMD	98.304000	0°C to +70°C
TSB81BA3	549-601252	601252	E	5x7mm SMD	98.304000	-40°C to +85°C



Frequency Control

Crystek Corporation