

SMD CRYSTAL UNIT CX-5M

5.0X3.2X0.8 mm

FEATURES

- Ultra-miniature size
- Industry Standard
- Wide Frequency Range
- Seam weld
- Emboss taping
- Reflow soldering

The 5M crystal is an ultra miniature package with size of 5.0X3.2X0.8mm. With its ceramic base and metal cover it provides the durability and reliability necessary for strenuous process like infrared and vapor phase reflow. Excellent performance for application in wireless communication.



ELECTRICAL SPECIFICATIONS

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo		12		48	MHz
Frequency Tolerance at 25°C	$\Delta F/Fo$		+10	± 30	± 50	ppm
Temperature Stability	Tc	25°C	+10	± 30	± 50	ppm
Operating Temperature Range	TOPR		-10		+70	°C
Storage Temperature Range	TSTRG		-40		+85	°C
Shunt Capacitance	Co				7	pF
Load Capacitance	C _L		8		Series	pF
Insulator Resistance	I _R	100V _{DC}	500			MΩ
Drive Level	D _L		10	100	300	μW
Aging (at 25°C)	F _a	AT 25°C, per year	-5.0		+5.0	ppm

EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range	Max ESR(Ω)	Mode
12.000MHz to 19.999MHz	80	Fundamental
20.000MHz to 29.999MHz	70	Fundamental
30.000MHz to 48.000MHz	50	Fundamental

DIMENSIONS

Unit: mm

