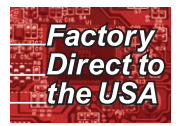


Surface Mount Crystal

•S5M (5.0 x 3.2 x 1.0 mm)



Electrical Specifications

SMD Crystal S5M		
CERAMIC SMD		S5M
PARAMETER	CONDITION	
FREQUENCY RANGE	FUNDAMENTAL	8 MHz to 60 MHz
DIMENSIONS		5.0 x 3.2 x 1.0 MM
LOAD CAPACITANCE (CL)		6 TO 32 pF & SERIES
STATIC CAPACITANCE (Co)		5 pF MAX
EQUIVALENT SERIES RESISTANCE (ESR)		SEE TABLE 1 BELOW
MODE		FUNDAMENTAL
DRIVE LEVEL		10 µW typ., 100 µW MAX
FREQ. TOLERANCE AT +25C	STANDARD	+/-30 PPM
	OPTIONAL	+/-10 PPM to +/-100 PPM
STABILITY VS. TEMP.	STANDARD	+/-30 PPM
	OPTIONAL	+/-10 PPM to +/-100 PPM
OPERATING TEMP. RANGE	STANDARD	-20°C to +70°C
	OPTIONAL	SEE TABLE 2 BELOW
STORAGE TEMP. RANGE		-40°C to +85°C
AGING	FIRST YEAR	5 PPM
HERMETIC SEALED		YES, SEAM SEAL
INSULATION RESISTANCE		500 MΩ Min
SOLDER PADS	QTY:	4
DLD TESTED	RLD, DLD, FLD	YES, 100%
RoHS STATUS		FULLY COMPLIANT
LEGACY P/N		CX-5M

FREQUENCY RANGE	MAX ESR	MODE
8.000 MHz to 10.999 MHz	100 Ohms	Fundamental
11.000 MHz to 13.999 MHz	80 Ohms	Fundamental
14.000 MHz to 26.999 MHz	70 Ohms	Fundamental
27.000 MHz to 60.000 MHz	50 Ohms	Fundamental

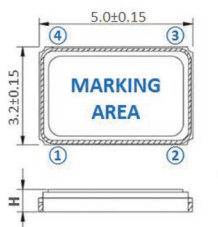
POPULAR TEMPERATURE RANGES
-10°C / +60°C
-20°C / +70°C
-40°C / +85°C

OTHER TEMPERATURE RANGES AVAILABLE - CONSULT FACTORY

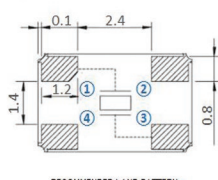
NOTES: _____

Dimensions (Unit:mm)

*NKG Crystal Part Example Key

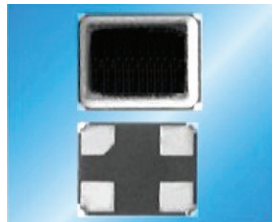
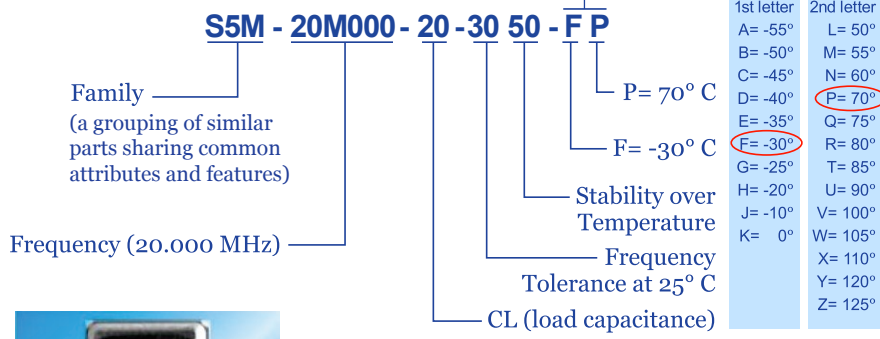


NOTE: The package as shown has a chamfered corner on pin 1 (pad 1 on bottom side of unit). Alternate package(s) having the chamfered corner on another pin is approved and acceptable as well. This package can be used in reverse and does not require pin 1 identification.



PACKAGE HEIGHT	
H:	1.0mm MAX
PIN No.	CONNECTION
1	CRYSTAL
2	GROUND (GND)
3	CRYSTAL
4	GROUND (GND)

The metal lid is connected to GND pins.



*NOT TO SCALE

Contact
www.nkg-usa.com/contactnkg