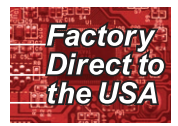


# Surface Mount Crystal

•S2M (2.5 x 2.0 x 0.6 mm)



## Electrical Specifications

SMD Crystal S2M		
CERAMIC SMD		S2M
PARAMETER	CONDITION	
FREQUENCY RANGE	FUNDAMENTAL	16 MHz to 60 MHz *
DIMENSIONS		2.5 x 2.0 x 0.6 MM
LOAD CAPACITANCE (CL)		6 TO 32 pF & SERIES
STATIC CAPACITANCE (Co)		3 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-2M

FREQUENCY RANGE	MAX ESR	MODE
16.000 MHz to 19.999 MHz	100 Ohms	Fundamental
20.000 MHz to 29.999 MHz	80 Ohms	Fundamental
30.000 MHz to 60.000 MHz	60 Ohms	Fundamental

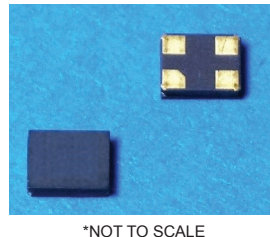
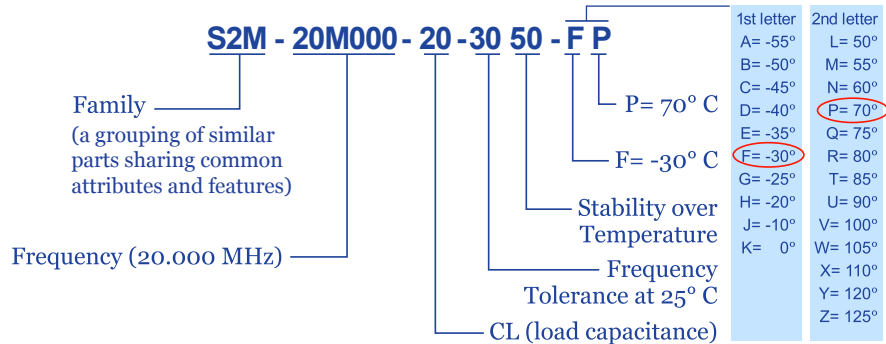
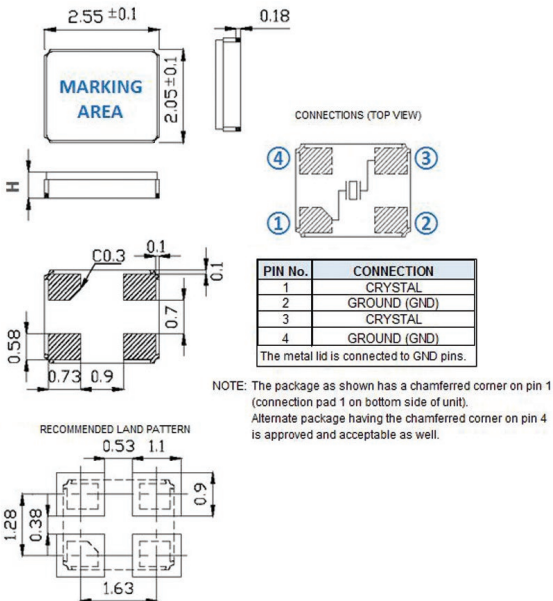
POPULAR TEMPERATURE RANGES
-10°C / +60°C
-20°C / +70°C
-40°C / +85°C

OTHER TEMPERATURE RANGES AVAILABLE - CONSULT FACTORY

NOTES: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Dimensions (Unit:mm)

## \*NKG Crystal Part Example Key



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