

Surface Mount Crystal

•S4M (4.0 x 2.5 x 0.8-(maximum height) mm)



Electrical Specifications

SMD Crystal - S4M		S4M
CERAMIC SMD		S4M
PARAMETER	CONDITION	
FREQUENCY RANGE	FUNDAMENTAL	10 MHz to 60 MHz
DIMENSIONS		4.0 x 2.5 x 0.8 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-4M

FREQUENCY RANGE	MAX ESR	MODE
10.000 MHz to 11.999 MHz	100 Ohms	Fundamental
12.000 MHz to 13.999 MHz	80 Ohms	Fundamental
14.000 MHz to 26.999 MHz	60 Ohms	Fundamental
27.000 MHz to 60.000 MHz	50 Ohms	Fundamental

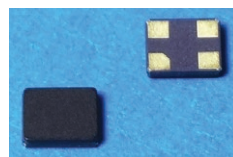
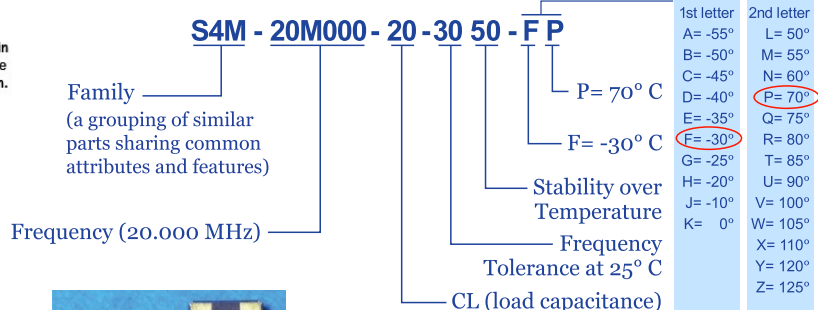
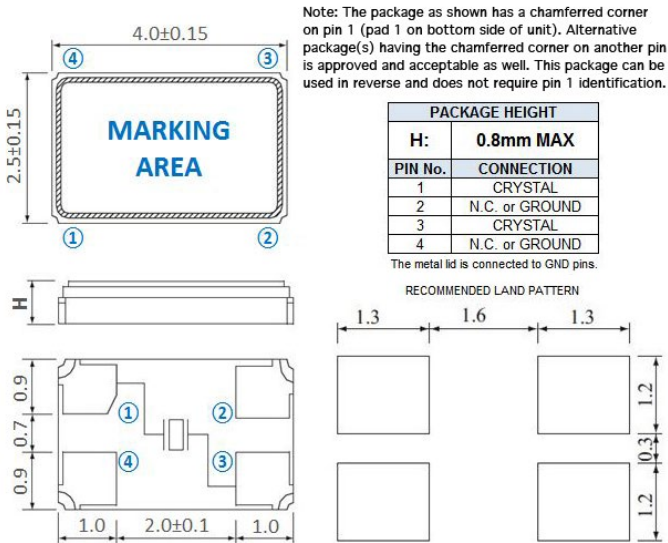
MOST POPULAR	CODE
-10°C~+60°C	JN
-20°C~+70°C	HP
-40°C~+85°C	DT

OTHER TEMPERATURE RANGES AVAILABLE - CONSULT FACTORY

NOTES:

Dimensions (Unit:mm)

*NKG Crystal Part Numbering Key



Contact
www.nkg-usa.com/contactnkg