

# K Series Crystal



- Plastic SMD Package
- Wide Frequency Range
- RoHS Compliant Available
- Tape and Reel Packaging



## ELECTRICAL SPECIFICATIONS:

Frequency Range	3.500MHz to 70.000MHz
Frequency Tolerance/ Stability	±50ppm / ±100ppm Standard (See Part Number Guide for Options)
Operating Temperature Range	-10°C to +60°C
Storage Temperature	-55°C to +125°C
Aging	±5ppm per year max
Shunt Capacitance	7pF Max
Load Capacitance	16pF Standard (See Part Number Guide for Options)
Equivalent Series Resistance	See ESR Chart
Mode of Operation	Fundamental or 3 <sup>rd</sup> OT
Drive Level	50µW to 100µW
Insulation Resistance	500 M ohms Min at 100VDC ±15VDC
Hermeticity of Seal	1 x 10 <sup>-2</sup> mPa (m <sup>3</sup> /s) Max
Shock Resistance	±5ppm max (drop test onto a hard wooden board from 75cm)

## ESR CHART:

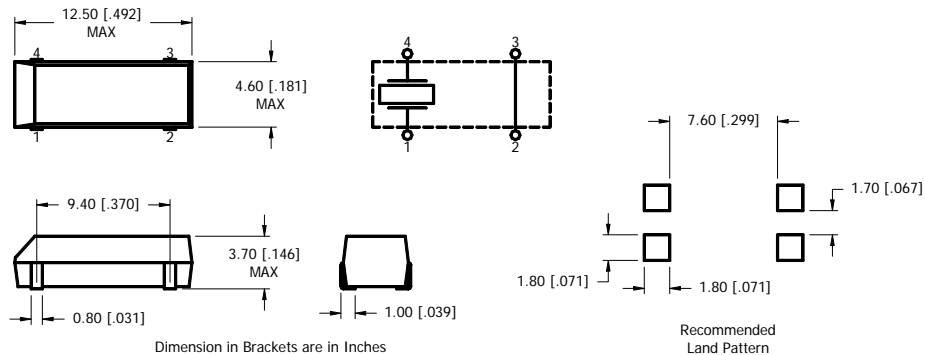
Frequency Range	ESR (Ohms)	Mode / Cut
3.500MHz to 3.999MHz	200 Max	Fund / AT
4.000MHz to 5.999MHz	150 Max	Fund / AT
6.000MHz to 9.999MHz	100 Max	Fund / AT
10.000MHz to 30.000MHz	50 Max	Fund / AT
30.000MHz to 35.999MHz	100 Max	3 <sup>rd</sup> OT/AT
36.000MHz to 70.000MHz	80 max	3 <sup>rd</sup> OT/AT

## MARKING:

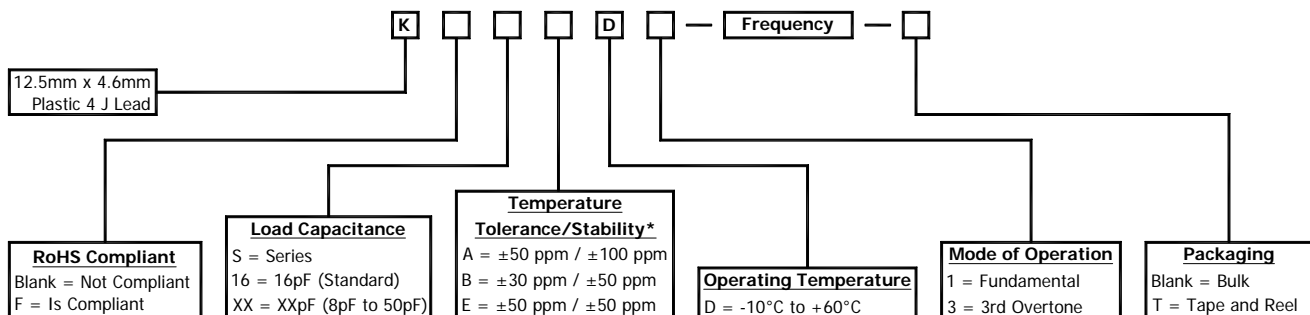
Line 1: MXX.XXX  
XX.XXX = Frequency in MHz

Line 2: SYMCCL  
S = Internal Code  
YM = Date Code (Year/Month)  
CC = Crystal Parameters Code  
L = Denotes RoHS Compliant

## MECHANICAL DETAILS:



## PART NUMBER GUIDE:



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