

STANDARD THROUGH HOLE CRYSTAL (11.5 x 4.7 x 13.5mm)

FEATURES:

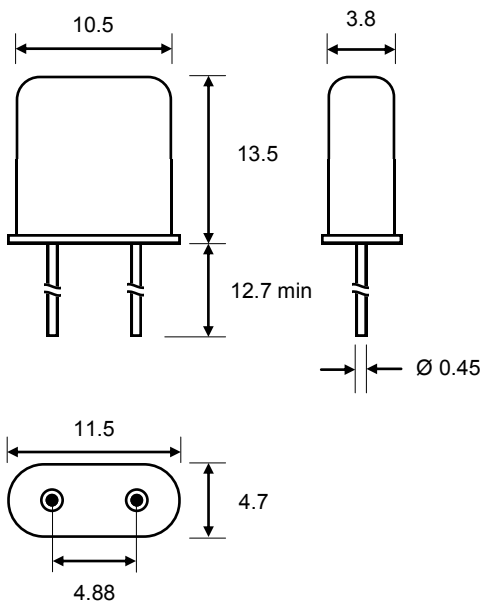
- WIDE FREQUENCY RANGE
- INDUSTRY STANDARD PACKAGE
- SHORTEST LEAD TIME / LOW COST



■ SPECIFICATION

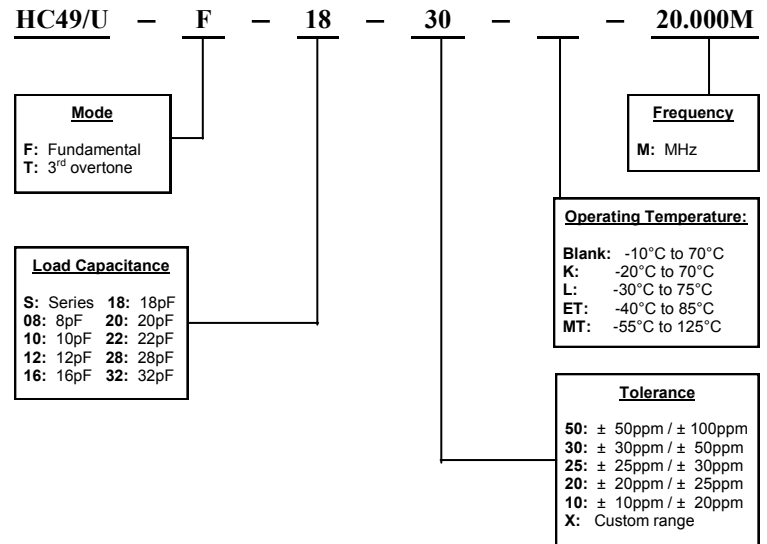
FREQUENCY RANGE	1.800MHz ~ 176.000MHz											
FREQUENCY TOLERANCE @ 25°C	±5.0ppm ~ ±100ppm (See P/N guide for other options)											
FREQUENCY STABILITY	±5.0ppm ~ ±100ppm (See P/N guide for other options)											
OPERATING TEMPERATURE RANGE	STD: -10°C to 70°C, Option: -40°C to 85°C (See P/N guide for other options)											
STORAGE TEMPERATURE RANGE	-55°C to 125°C											
LOAD CAPACITANCE	Series to 32pF (See P/N guide for other options)											
SHUNT CAPACITANCE	7pF max.											
INSULATION RESISTANCE	500MΩ min. @ 100V _{DC} ± 15V _{DC}											
DRIVE LEVEL	100μW typ., 500μW max.											
AGING	±3.0ppm / 1 st year max.											
SHOCK	±3.0ppm max. ±3Ω max.											
VIBRATION	±3.0ppm max. ±3Ω max.											
EQUIVALENT SERIES RESISTANCE	Fundamental:	<table border="0"> <tr> <td>1.000MHz ~ 2.000MHz: 350Ω max.</td> <td>2.001MHz ~ 3.000MHz: 300Ω max.</td> </tr> <tr> <td>3.001MHz ~ 3.500MHz: 150Ω max.</td> <td>3.501MHz ~ 4.000MHz: 100Ω max.</td> </tr> <tr> <td>4.001MHz ~ 5.000MHz: 80Ω max.</td> <td>5.001MHz ~ 6.000MHz: 60Ω max.</td> </tr> <tr> <td>6.001MHz ~ 8.000MHz: 50Ω max.</td> <td>8.001MHz ~ 13.000MHz: 35Ω max.</td> </tr> <tr> <td>13.001MHz ~ 48.000MHz: 25Ω max.</td> <td></td> </tr> </table>	1.000MHz ~ 2.000MHz: 350Ω max.	2.001MHz ~ 3.000MHz: 300Ω max.	3.001MHz ~ 3.500MHz: 150Ω max.	3.501MHz ~ 4.000MHz: 100Ω max.	4.001MHz ~ 5.000MHz: 80Ω max.	5.001MHz ~ 6.000MHz: 60Ω max.	6.001MHz ~ 8.000MHz: 50Ω max.	8.001MHz ~ 13.000MHz: 35Ω max.	13.001MHz ~ 48.000MHz: 25Ω max.	
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3rd overtone:	<table border="0"> <tr> <td>24.001MHz ~ 30.000MHz: 50Ω max.</td> <td>30.001MHz ~ 80.000MHz: 40Ω max.</td> </tr> <tr> <td>80.001MHz ~ 176.000MHz: 50Ω max.</td> <td></td> </tr> </table>	24.001MHz ~ 30.000MHz: 50Ω max.	30.001MHz ~ 80.000MHz: 40Ω max.	80.001MHz ~ 176.000MHz: 50Ω max.								
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OPERATION MODE	Fundamental or 3 rd overtone											

■ PACKAGE DIMENSIONS



Unit : mm

■ PART NUMBERING GUIDE



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