

STANDARD HC49/SMD CRYSTAL (11.5 x 4.75 x 3.5mm)

FEATURES:

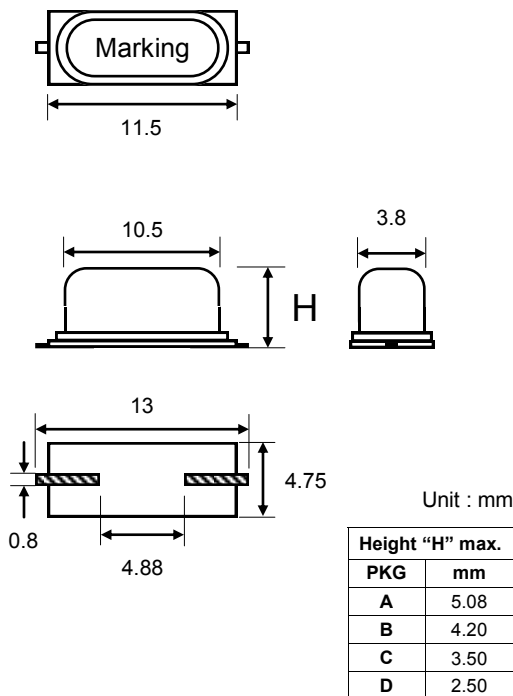
- WIDE FREQUENCY RANGE
- LOW COST / AT CUT
- LOW PROFILE / SUITABLE FOR REFLOW



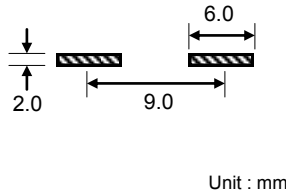
■ SPECIFICATION

FREQUENCY RANGE	3.000MHz ~ 150.000MHz	
FREQUENCY TOLERANCE @ 25°C	±10ppm ~ ±50ppm (See P/N guide for other options)	
FREQUENCY STABILITY	±10ppm ~ ±50ppm (See P/N guide for other options)	
OPERATING TEMPERATURE RANGE	STD: -20°C to 70°C, Option: (See P/N guide for other options)	
STORAGE TEMPERATURE RANGE	-55°C to 125°C	
LOAD CAPACITANCE	STD: 18pF (See P/N guide for other options)	
SHUNT CAPACITANCE	7pF max.	
INSULATION RESISTANCE	500MΩ min. @ 100V _{DC} ± 15V _{DC}	
DRIVE LEVEL	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:	3.000MHz ~ 4.000MHz: 150Ω max. 4.001MHz ~ 5.000MHz: 130Ω max. 5.001MHz ~ 6.000MHz: 120Ω max. 6.001MHz ~ 8.000MHz: 100Ω max. 8.001MHz ~ 10.000MHz: 80Ω max. 10.001MHz ~ 15.000MHz: 60Ω max. 15.001MHz ~ 54.000MHz: 40Ω max.
	3rd overtone:	30.001MHz ~ 36.000MHz: 80Ω max. 36.001MHz ~ 150.000MHz: 70Ω max.
OPERATION MODE	AT cut / Fundamental or 3 rd overtone	

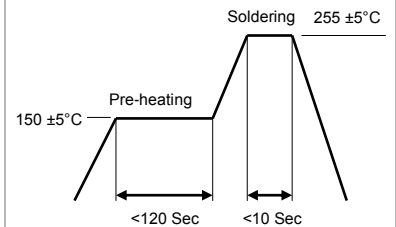
■ PACKAGE DIMENSIONS



■ SOLDER PATTERN

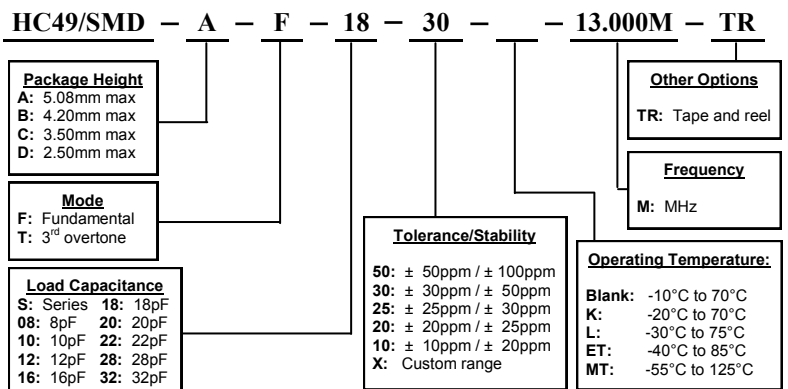


■ REFLOW PROFILE



Note: Consult factory for detail

■ PART NUMBERING GUIDE



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