

### MINIATURE HC49/SMD CRYSTAL (7.0 x 4.1 x 2.3mm)

#### FEATURES:

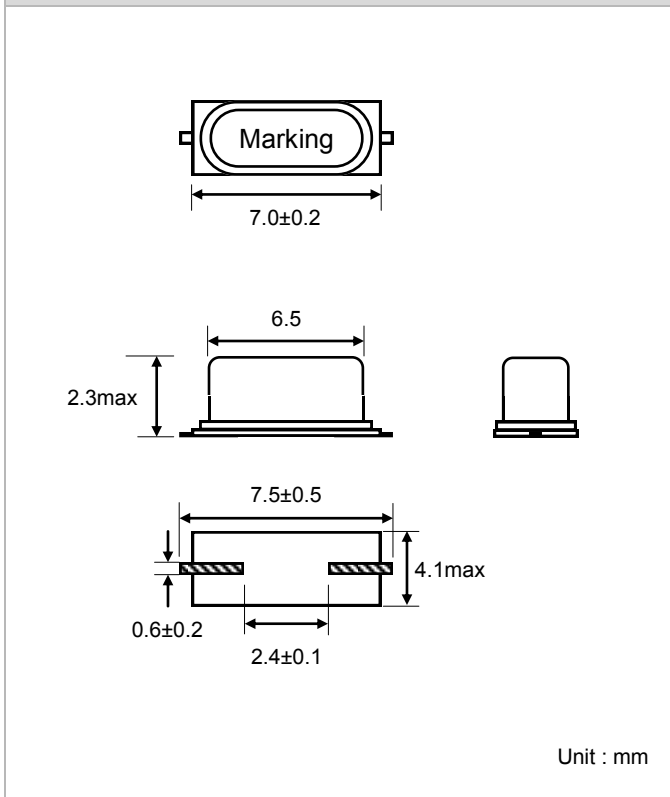
- MINIATURE LOW PROFILE RESISTANCE WELD TYPE
- LOW COST
- REFLOW



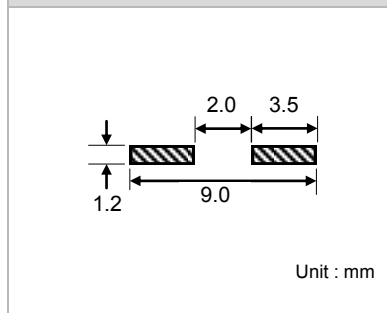
#### ■ SPECIFICATION

FREQUENCY RANGE	4.000MHz ~ 40.000MHz	
FREQUENCY TOLERANCE @ 25°C	±30ppm (See P/N guide for other options)	
FREQUENCY STABILITY	±50ppm (See P/N guide for other options)	
OPERATING TEMPERATURE RANGE	STD: -10°C to 70°C (See P/N guide for other options)	
STORAGE TEMPERATURE RANGE	-40°C to 85°C	
LOAD CAPACITANCE	STD: 20pF, Option:10pF to Series (See P/N guide for other options)	
SHUNT CAPACITANCE	7pF max.	
INSULATION RESISTANCE	500MΩ min. @ 100V <sub>DC</sub> ± 15V <sub>DC</sub> (No information)	
DRIVE LEVEL	100μW max.	
AGING @ 25°C ±3°C	±5.0ppm / 1 <sup>st</sup> year max.	
EQUIVALENT SERIES RESISTANCE	6.000MHz ~ 11.999MHz: 200Ω max. 12.000MHz ~ 15.999MHz: 60Ω max.	16.000MHz ~ 29.999MHz: 50Ω max. 30.000MHz ~ 40.000MHz: 40Ω max.
OPERATION MODE	AT cut / Fundamental	

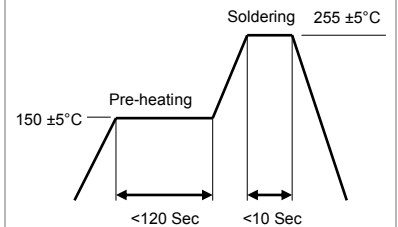
#### ■ PACKAGE DIMENSIONS



#### ■ SOLDER PATTERN

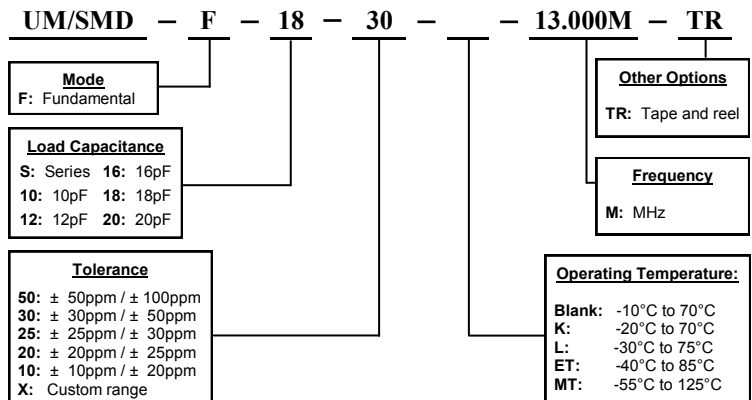


#### ■ REFLOW PROFILE



Note: Consult factory for detail

#### ■ PART NUMBERING GUIDE



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