

### MINIATURE UM SMD CRYSTAL (7.0 x 4.1 x 2.3mm)

**FEATURES:**

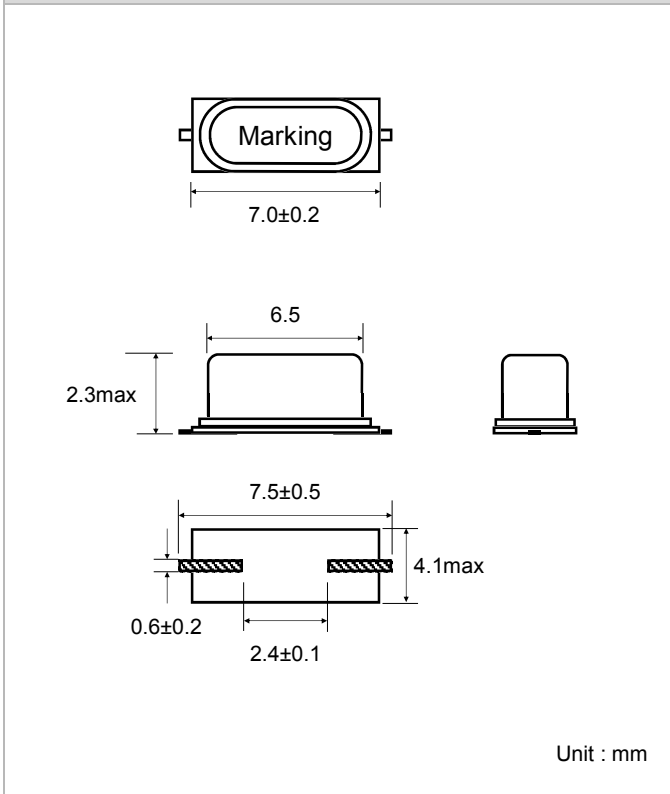
- MINIATURE LOW PROFILE RESISTANCE WELD TYPE
- LOW COST
- REFLOW



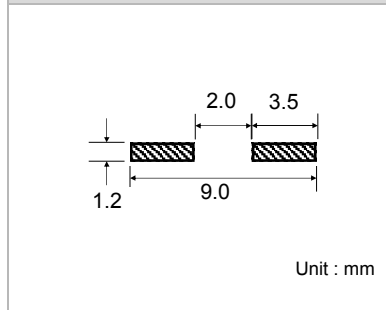
**■ SPECIFICATION**

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

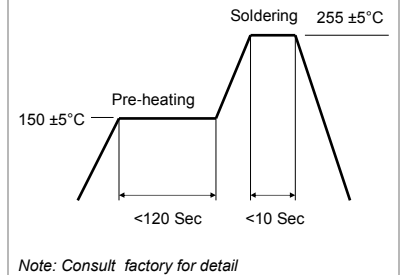
**■ PACKAGE DIMENSIONS**



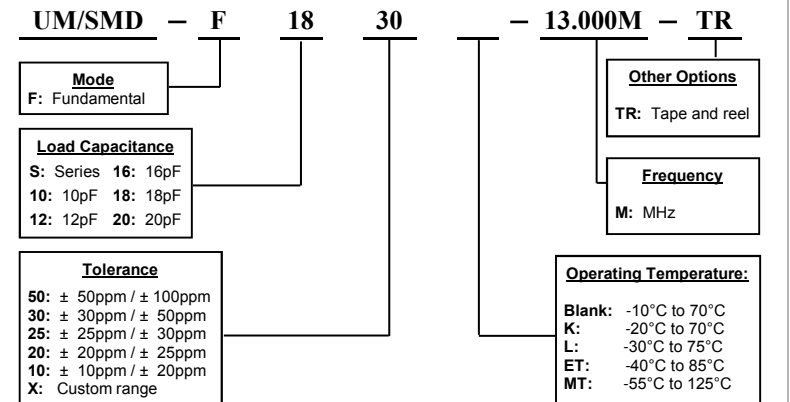
**■ SOLDER PATTERN**



**■ REFLOW PROFILE**



**■ PART NUMBERING GUIDE**



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