



Quartz Crystal Resonator

Frequency Range 16.0MHz to 60.0MHz
2.5x2.0mm Seam Welded AT-Cut Crystal

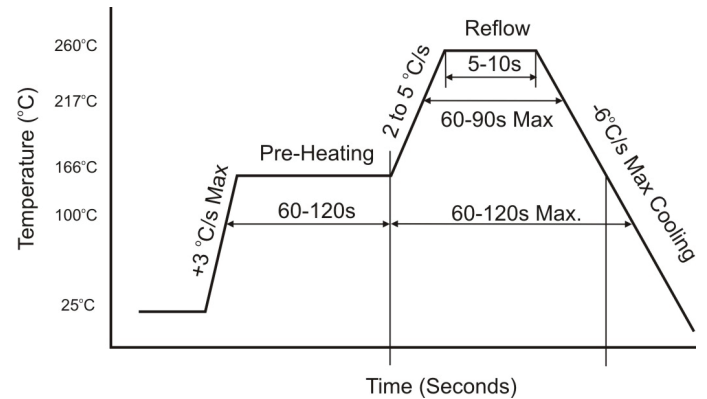


Current production part - Recommended for new designs

Standard Specifications

Parameter	Symbol	Specification	Remarks
Frequency Range	f_0	16.0 to 60.0 MHz	
Frequency Tolerance	$\Delta f/f$	± 30 PPM (Std)	at 25°C with 100 μ W (Higher tolerances are available)
Frequency Stability	Over OTR	± 50 PPM (Standard)	From ± 10 PPM depending on OTR
Operating Temperature Range	T_{OPR}	-10°C to +60°C	-40°C to +85°C also available
Storage Temperature Range	T_{STG}	-55°C to +125°C	
Load Capacity	C_L	30pF (Std value)	Please specify
Drive-Level	D_L	100.0 μ W Typ.	0.5mW Max
Shunt Capacitance	C_0	5.0pF Typ.	
Dynamic Capacitance	C_1	20.0fF Typ.	
Ageing	Fa	± 5.0 PPM	at 25°C ± 3 °C 1st Year

Frequency Range	Mode	ESR	Reflow Solder Condition (260°C)
12.00 to 19.99 MHz	Fundamental	120 Ω	
20.00 to 20.99 MHz	Fundamental	80 Ω	
30.00 to 60.00 MHz	Fundamental	60 Ω	



Dimensions (mm)

1000pcs per Reel

