



Plastic Surface Mount Crystals

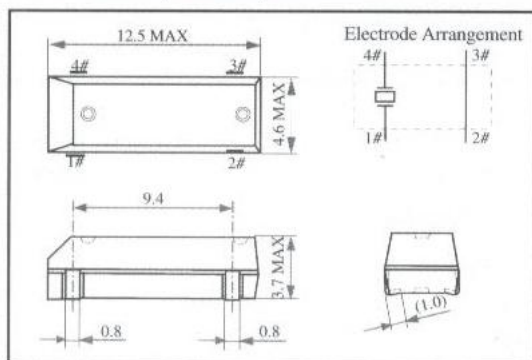
---Type: SM-JU2



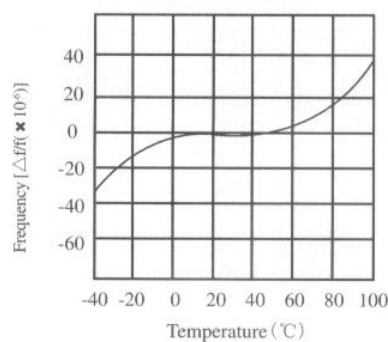
SPECIFICATIONS:

Item	Model	Specifications	Condition
Frequency Range	f_0	3.579MHz~27.000MHz	
Storage Temperature	T_{STG}	-55°C~+125°C	
Operating Temp. Range	T_{OPR}	-40°C~+85°C (Standard)	
Drive Level	DL	10 μ W~50 μ W Max	
Frequency Tolerance	$\Delta f/f$	± 50 ppm (Standard)	$T_a=25^\circ\text{C}\pm 3^\circ\text{C}$
Frequency Stability	$\Delta f/f$	± 50 ppm (Standard)	-10°C~+60°C
Load Capacitance	C_L	16.0 pF	
Equivalent Series Resistance	R_1	3.579MHz~4.499MHz: 150 Ω Max	$T_a=25^\circ\text{C}\pm 3^\circ\text{C}$
		4.500MHz~4.999MHz: 130 Ω Max	
		5.000MHz~6.999MHz: 120 Ω Max	
		7.000MHz~9.999MHz: 100 Ω Max	
		10.000MHz~11.999MHz: 80 Ω Max	
		12.000MHz~13.999MHz: 70 Ω Max	
		14.000MHz~15.999MHz: 50 Ω Max	
		16.000MHz~27.000MHz: 35 Ω Max	
Shunt Capacitance	C_0	5.0pF Max	
Insulation Resistance	IR	500M Ω Min	DC=100V
Aging @ 25°C	f_a	± 5 ppm/year Max	$T_a=25^\circ\text{C}\pm 3^\circ\text{C}$, First year

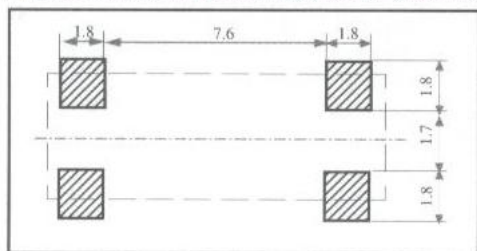
■ Dimension (unit=mm)



■ AT-cut crystal units



■ Recommended soldering patten (unit=mm)



ORDER OPTIONS:

Type	Freq. (MHz)	Freq. Tolerance (ppm)	Frequency Stability (ppm)
SM-JU2	3.579	± 15	± 30
	~	± 20	± 50
	27.000	± 30	
		± 50	