THIN SMD HIGH-FREQUENCY CRYSTAL UNIT

FA-365

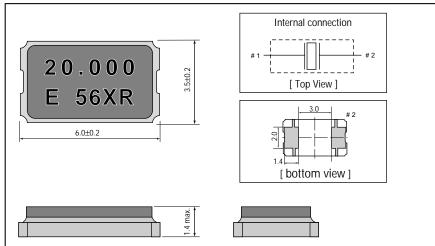
- High-density mounting-type SMD.
- Excellent reliability and environment capability.
- Capable of covering a wide frequency range. (from 14 MHz to 41 MHz)
- 1.4mm thickness is equal to SMD-type IC.



■ Specifications (characteristics)

Item		Symbol	Specifications	Remarks
Nominal frequency range		f	14.000 MHz to 41.000 MHz	Fundamental mode
Temperature range	Storage temperature	Tstg	-55°C to +125°C	Stored as bare product after unpacking
	Operating temperature	Topr	-20°C to +70°C	
Drive level	Maximum drive level	GL	2mW max.	Only crystal oscillation is guaranteed
	Recommended drive level	DL	10μW to 100μW	
Soldering condition		Tsol	Twice at under 260°C within 10 sec. or under 230°C within 3 min.	
Frequency tolerance (standard)		Δf/f	±50ppm, ±100ppm	Ta=25°C±3°C
Frequency temperature characteristics (standard)			±30ppm	-20°C to +70°C
Load capacitance		CL	10pF to ∞	Please specify
Series resistance		R ₁	50 Ω max.	-20°C to +70°C,DL=100μw
Shunt capacitance		Со	5.0pF max.	
Insulation resistance		IR	500 M Ω min.	
Aging		fa	±5ppm/year max.	Ta=25°C ±3°C, first year
Shock resistance		S. R.	±10ppm max.	Three drops on a hard board from 75 cm or excitation test with 3000G x 0.3ms x 1/2 sine wave x 3 directions

External dimensions



(Unit: mm) Recommended soldering pattern (Unit: mm)

