SAW RESONATOR

- Reflow solderable SMD ceramic package.
- Capable of covering a wide frequency range, from 200 MHz to 500 MHz.
- 1.5mm thickness is equal to SMD-type IC.
- Perfect for small wireless equipment.



<u> </u>			•	
Item		Symbol	Specifications	Remarks
Nominal frequency range		fo	200 MHz to 500 MHz	
Temperature range	Storage temperature	Tstg	-55°C to +100°C	Stored as bare product after unpacking
	Operating temperature	Topr	-40°C to +85°C	
Maximum drive level		GL	10mW max.	
Recommended level		DL	2mW typ.	
Frequency tolerance (standard)		$\Delta f/f$	±25ppm, ±50ppm, ±100ppm	Ta=25°C ± 3°C
Peak temperature		θΤ	25°C ± 15°C	
Temperature coefficient		α	-3.4±0.8 x 10 ⁻⁸ /*C ²	
Harmonic ratio		Rs/R1	2 min.	
Series resistance		R1	40 Ω max.	200 MHz to 249.9 MHz, Ta=25 ⁻ C
			25 Ω max.	250 MHz to 500 MHz, Ta=25 ⁻ C
Motional capacitance		C1	2.6 fF typ.	(fo=312.24 MHz)
Shunt capacitance		Co	4.3 pF typ.	(fo=312.24 MHz)
Insulation resistance		IR	500 M Ω min.	
Aging		fa	±10ppm/year max.	Ta=25°C ±3°C
Shock resistance		S.R.	±10ppm max.	Nine drops on a concrete from 150 cm or excitation test with 3000G x 0.3ms x 1/2 sine wave x 3 directions

Specifications (characteristics)

External dimensions





