



**■ ATS SMD Height : 2.6mm**

- Metal Can Surface Mount package
- Fundamental crystal design
- Tight stability, Wide temperature and Ultra low ESR available

- Applications : Consumer electronics, Industrial applications, Telecommunications

**■ Standard Specification**

Frequency range	6.000MHz to 30.000MHz	
Oscillation mode	Fundamental	
Load capacitance (CL)	6pF to 32pF or please specify	
Frequency tolerance (25°C)	±20ppm, ±30ppm, ±50ppm	
Frequency Stability vs Temp range	Temp Stability	Operating temp
	±20ppm ±30ppm ±50ppm ±100ppm	-10 to +60°C -20 to +70°C -40 to +85°C
Storage temperature range	-55°C to +125°C	
Shunt Capacitance ( C0 )	7.0pF Max	
Level of drive (DL)	300µW Max (std) or please specify	
Aging (Initial first year)	± 3ppm Max	

**■ Motional resistance (ESR)**

Frequency (MHz)	6 ≤ f < 8	8 ≤ f < 10	10 ≤ f < 16	16 ≤ f < 30
Cl (Ω) max	100	80	50	40
Oscillation mode	Fundamental			

\*Please contact us for lower ESR

**■ Dimensions (mm)**

