



■ **ATS SMD Height : 3.2mm**

- Metal Can Surface Mount package
- Fundamental and 3rd overtone crystal design
- Tight stability, Wide temperature and Ultra low ESR available

- Applications : Consumer electronics, Industrial applications, Telecommunications

■ **Standard Specification**

Frequency range	3.579545MHz to 75.000MHz	
Oscillation mode	Fundamental & 3rd overtone	
Load capacitance (CL)	6pF to 32pF or please specify	
Frequency tolerance (25°C)	±10ppm, ±20ppm, ±30ppm, ±50ppm	
Frequency Stability vs Temp range	Temp Stability	Operating temp
	±15ppm	-10 to +60°C
	±20ppm	-20 to +70°C
	±30ppm	-40 to +85°C
	±50ppm	-40 to 105°C
	±100ppm	-40 to 125°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)	Mode	Cl (Ω) max	Frequency (MHz)	Mode	Cl (Ω) max
$3.579545 \leq f < 4.2$	F	140	$12 \leq f < 34$	F	40
$4.2 \leq f < 5$	F	100	$22 \leq f < 40$	BT	40
$5 \leq f < 8$	F	80	$26 \leq f < 45$	3rd	70
$8 \leq f < 12$	F	60	$45 \leq f < 75$	3rd	60

*Please contact us for lower ESR

■ **Dimensions (mm)**

