

## AT308 AT206 Series Crystal Resonator

### Features:

- . High stability assured with tight vacuum sealing
- . High vibration and shock resistance
- . Excellent environmental capability



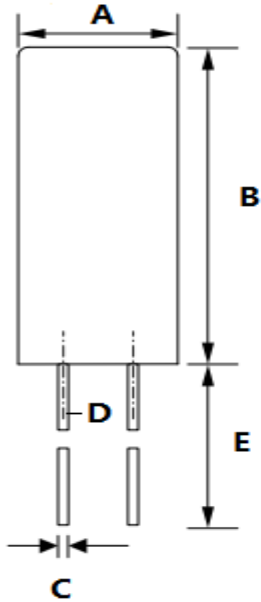
### Specification:

Model	Ø3X8	Ø2X6
Frequency Range	3.579 ~ 50MHz	4.000 ~ 50MHz
Frequency Tolerance at 25°C±2°C	±10 ~ ±50ppm(TYP.)	
Frequency Stability Over Operating Temp Range	±10 ~ ±50ppm(TYP.)	
Operating Temp Range	-10°C ~+60°C, -20°C ~+70°C, -40°C ~+85°C or customer requirement	
Load Capacitance	12pF ~30pf,series or special	
Shunt Capacitance	3.0pf (TYP).	
Drivel Level	10uW~100uW(TYP:100uW)	
Insulation Resistance	500MΩ min / DC 100V±15V	
Oscillation Mode	Fundamental, 3 <sup>rd</sup> overtone	

### Equivalent Series Resistance(ESR)VS Frequency:

Frequency(MHz)	Oscillation Mode	Ø3X8	Ø2X6
3.57 ~ 3.99	Fundamental	180Ω max	
4.00 ~ 4.49	Fundamental	150Ω	
4.50 ~ 4.99	Fundamental	120Ω	
5.00 ~ 6.99	Fundamental	100Ω	
7.00 ~ 9.99	Fundamental	80Ω	
10.0 ~ 11.99	Fundamental	60Ω	
12.0 ~ 29.99	Fundamental	40Ω	
30.0 ~ 50.00	3 <sup>rd</sup> overtone	80Ω	

**Dimensions:**



	A	B	C	D	E
AT308	3.0	8.0	Ø0.3	1.1	10
AT206	2.0	6.0	Ø0.2	0.7	7