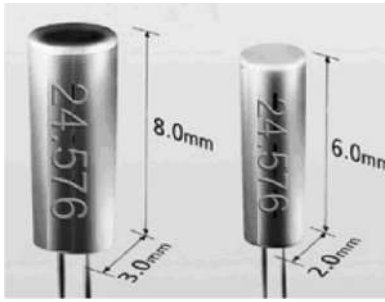




## AT-38 & AT-26 Series



The AT-39/38 & AT-26 crystal is the miniature cylinder high frequency AT Cut crystal. Interm of volume, it has the smallest footprint of any crystal package.

### FEATURES

- | Low Cost
- | Industry Standard
- | Wide Frequency Range
- | Small Compact Size

### Electrical Specifications

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	F <sub>O</sub>	AT-39/38	3.579545		70	MHz
		AT-26	6		70	MHz
Frequency Tolerance	F/F <sub>O</sub>	at 25	±20	±30	±50	ppm
Temperature Stability	T <sub>C</sub>	REF to 25	±20	±30	±50	ppm
Operating Temperature Range	T <sub>OPR</sub>		-10*		+60*	
Storage Temperature Range	T <sub>STG</sub>		-40		+85	
Shunt Capacitance	C <sub>O</sub>				7	pF
Load Capacitance	C <sub>L</sub>	Customer Specified	10	16	Series	pF
Insulator Resistance	I <sub>R</sub>	100V <sub>DC</sub>	500			M
Drive Level	D <sub>L</sub>			100	500	μW
Aging	Fa	at 25 °C, First year	-5.0		+5.0	ppm

\*Operating temperature range: -40 °C to +85 °C option

### Equivalent Series Resistance (ESR) and Mode of Vibration (Mode)

Frequency Range	Max ESR (Ω)	Mode	Frequency Range	Max ESR (Ω)	Mode
3.579545MHz to 3.999MHz	200	Fundamental	9.000MHz to 12.999MHz	70	Fundamental
4.000MHz to 4.999MHz	150	Fundamental	13.000MHz to 15.999MHz	60	Fundamental
5.000MHz to 5.999MHz	120	Fundamental	16.000MHz to 19.999MHz	40	Fundamental
6.000MHz to 6.999MHz	100	Fundamental	20.000MHz to 29.999MHz	70	Fundamental
7.000MHz to 8.999MHz	80	Fundamental	30.000MHz to 70.000MHz	60	3 <sup>rd</sup> Overtone

### Mechanical Dimensions(mm)

