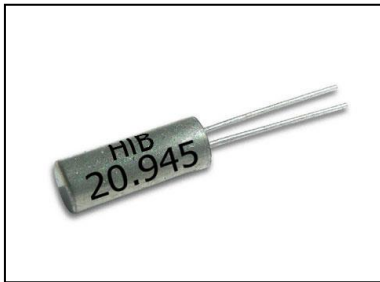


## AT-26 / AT-38 Series

## 3.579 to 50MHz



The AT-26/AT-38 crystal is a miniature cylindrical high frequency AT Cut crystal. In terms of volume, it has the smallest footprint of any crystal package.

### FEATURES

- Low Cost
- Industry Standard
- Wide Frequency Range
- Excellent Aging

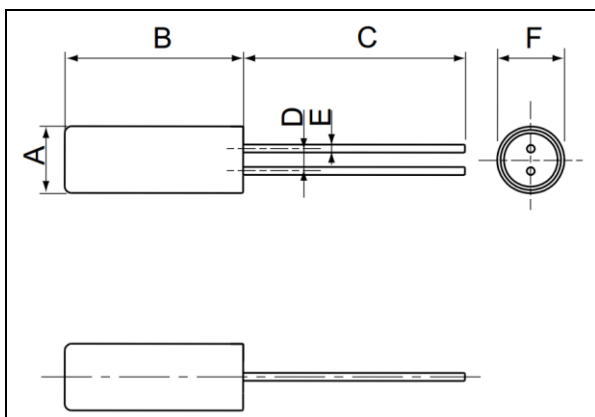
### Electrical Specifications

Parameter	Symbol	Condition	Min	Typ	Max	Units
Frequency Range	$F_0$		3.579		50.000	MHz
Frequency Tolerance	$\Delta F/F_0$	at 25°C	±20	±30	±50	PPM
Temperature Stability	$T_C$	Ref to 25°C	±20	±30	±50	PPM
Operating Temperature Range	$T_{OPR}$		-40	-20 to +70	+85	°C
Storage Temperature Range	$T_{STG}$		-40		+85	°C
Shunt Capacitance	$C_0$			5.0		pF
Load Capacitance	$C_L$	Customer Specified	10	20	Series	pF
Insulator Resistance	$I_R$	100 V <sub>DC</sub>	500			MΩ
Drive Level	$D_L$		10		100	μW
Aging	$F_a$	at 25°C, per year	-3.0		+3.0	PPM

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

Frequency Range(MHz)	Max ESR (Ω)	Mode	Frequency Range(MHz)	Max ESR (Ω)	Mode
3.579545 to 3.999	200	Fundamental	9.000 to 12.999	60	Fundamental
4.000 to 4.999	150	Fundamental	13.000 to 15.999	50	Fundamental
5.000 to 5.999	120	Fundamental	16.000 to 19.999	40	Fundamental
6.000 to 6.999	100	Fundamental	20.000 to 34.999	30	Fundamental
7.000 to 8.999	80	Fundamental	35.000 to 50.000	80	3 <sup>rd</sup> Overtone

### Mechanical Dimensions – mm (inch)



Size	A	B	C	D	E	F
2x6	∅ 2.0±0.3	6.0±0.3	7.0±0.3	0.7±0.2	∅ 0.2±0.1	∅ 2.0±0.1
3x8	∅ 3.0±0.5	8.0±0.5	10.0±0.5	1.1±0.2	∅ 0.3±0.1	∅ 3.0±0.1