

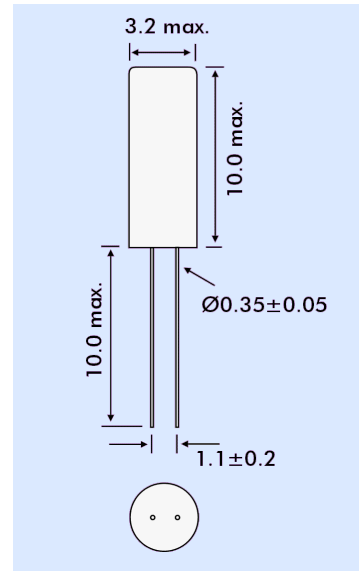
- Frequency range 3.579MHz to 70.0MHz
- Fundamental mode to 30MHz
- Low mass, miniature cylindrical package



SPECIFICATION

Frequency Range	
Fundamental Mode:	3.579545MHz to 30.0MHz
3rd Overtone:	30.0MHz to 70.0MHz
Crystal Type:	AT-Cut
Frequency Adjustment at 25°C:	±15ppm to ±100ppm
Stability over Temperature:	±5ppm to ±100ppm
Operating Temperature Range:	0° to +50°C or -10° to +60°C
Static Capacitance (C0):	7pF maximum
Load Capacitance (CL):	8pF to 50pF or Series
Ageing:	<±5ppm per year at +25°C
Maximum Drive level:	0.1 mW max.
Reflow Soldering:	10s maximum at 250°C twice or 180s at 230°C, once.
Insulation Resistance:	100MΩ min.
Shock Resistance:	±5ppm max. (Drop test 3 times onto a hard board from 75cm)
Holder:	Compression press fit

OUTLINE & DIMENSIONS



EQUIVALENT SERIES RESISTANCE & OSCILLATION MODE

Frequency Range	ESR (Ω)	Mode
3.57 to 3.99MHz	200 max.	Fundamental
4.0 to 4.99MHz	150 max.	Fundamental
5.0 to 5.99MHz	120	Fundamental
6.0 to 6.99MHz	100	Fundamental
7.0 to 8.99MHz	80	Fundamental
9.0 to 12.99MHz	60	Fundamental
13.0 to 19.99MHz	50	Fundamental
20.0 to 30.0MHz	40	Fundamental
30.0 to 70.0MHz	45	Third Overtone

FREQUENCY CHANGE vs. TEMPERATURE AT-Cut Crystals

