

Legacy part - Not recommended for new designs

Standard Specifications

Parameter	Symbol	Specification	Remarks
Frequency Range	f_0	3.579545 to 70.000 MHz	
Frequency Tolerance	$\Delta f/f$	$\pm 10\text{PPM} \sim \pm 50\text{PPM}$	at 25°C with 100 μW
Frequency Stability	Over OTR	$\pm 50\text{PPM}$ (Standard)	From $\pm 5\text{PPM}$ (depending on OTR)
Operating Temperature Range	T_{OPR}	-10°C to +60°C	See Table
Storage Temperature Range	T_{STG}	-55°C to +125°C	
Load Capacity	C_L	30pF (Std value)	Please specify
Drive-Level	D_L	100.0 μW Typ.	0.5mW Max
Shunt Capacitance	C_0	7.0pF Max.	
Dynamic Capacitance	C_1	20.0fF Max.	
Ageing	F_a	$\pm 5.0\text{PPM}$	at 25°C $\pm 3^\circ\text{C}$ 1st Year

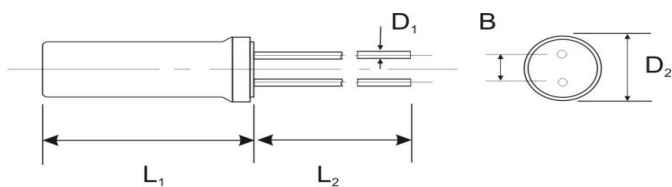
Additional Specifications

Freq Range (MHz)	Mode	ESR
3.57 to 3.99	Fundamental	200 Ω
4.00 to 4.99	Fundamental	150 Ω
5.00 to 5.99	Fundamental	120 Ω
6.00 to 6.99	Fundamental	100 Ω
7.00 to 8.99	Fundamental	80 Ω
9.00 to 12.90	Fundamental	60 Ω
13.00 to 15.90	Fundamental	50 Ω
16.00 to 19.99	Fundamental	40 Ω
20.00 to 29.99	Fundamental	30 Ω
30.00 to 70.00	3rd Overtone	100 Ω

OTR	Temperature Stability (PPM)				
	± 5	± 10	± 15	± 20	± 30
0°C to +50°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-10°C to +60°C		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-20°C to +70°C			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-30°C to +80°C				<input type="checkbox"/>	<input checked="" type="checkbox"/>
-40°C to +85°C					<input type="checkbox"/>

= Available
 = Recommended

Dimensions (mm)



Crystal Dimensions (mm)	L1	L2	D1	B	D2
3x9mm	9.3	10.0	0.3	1.1	3.1
2x6mm	6.3	8.0	0.2	0.7	2.1

AT-Cut Temperature Characteristics

