



Features and Benefits

3.5 MHz to 66.0 MHz frequency
-10°C to +70°C operating temperature

Typical Applications

Mobile Radio
Communication Equipment

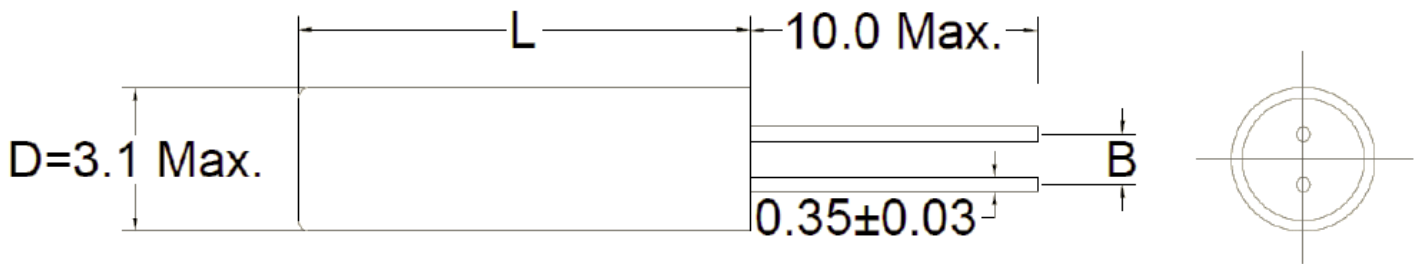
Description

Low cost crystal with sound quality and reliability.

Mechanical Drawing & Pin Connections

Drawing No: MD160076-1

Unit: mm



HOLD TYPE	L	B
A	10.3	1.1
B	9.3	1.1
C	8.3	1.1



Specifications

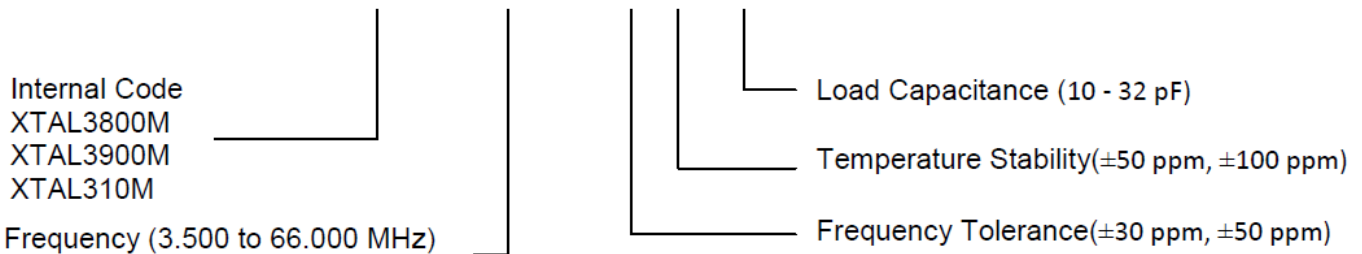
Crystal Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range	F ₀		3.5		66.0	MHz	
Frequency Tolerance	(Δ) F/F ₀	At 25°C	±30		±50	ppm	
Temperature Stability		Ref to 25°C	±50		±100	ppm	
Shunt Capacitance	C ₀				7	pF	
Load Capacitance	C _L		10		32	pF	For series resonant
Insulation Resistance		At 100V DC	500			MΩ	
Drive Level					1	mW	
Aging					±5	ppm /year	
Environmental Conditions							
Parameter	Reference Std.						
Operating temperature range	-10°C to +70°C						
Storage temperature range	-40°C to +85°C						

Equivalent Series Resistance (ESR) and Mode of Operation (Mode)

Frequency Range (MHz)	Max ESR (Ω)	Mode
3.579 to 4.999	200	Fundamental / AT
5.000 to 5.999	150	Fundamental / AT
6.000 to 7.999	120	Fundamental / AT
8.000 to 8.999	90	Fundamental / AT
9.000 to 9.999	80	Fundamental / AT
10.000 to 14.999	60	Fundamental / AT
15.000 to 15.999	50	Fundamental / AT
16.000 to 23.999	35	Fundamental / AT
24.000 to 30.000	30	Fundamental / AT
30.000 to 66.000	100	3 rd overtone / AT

Ordering System

XTAL3800M-xMHz-yy-zz-ww



Example

XTAL3800M-3.579MHz-30-50-10

Frequency: 3.579 MHz

Tolerance at +25°C: ±30 ppm

Temperature Stability: ±50 ppm

Load Capacitance: 10 pF