

XP Model

Surface Mount

AT Crystal

3.5 to 70 MHz

Surface Mount
XP



Specifications

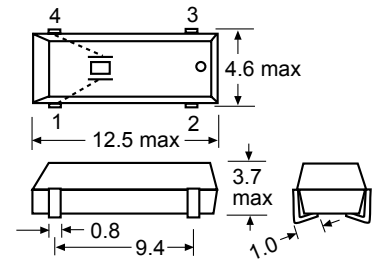
Frequency:	Fundamental Range 3.5-32Mhz 3rd Overtone Range: 30-70 Mhz
Frequency Tolerance	30 or 50 ppm at 25 Deg C
Stability vs Temp	30 or 50 ppm (-10 to 60 Deg C)
Aging	5 ppm per year, max.
Shunt Capacitance	7 pf max
Load Capacitance	16 pf standard
Drive Level	50 to 100 microwatts
Operating Temperature	-40 to +85 Deg C
Storage Temperature	-55 to +125 Deg C
Insulation Resistance	500 megohm min
Aging	5 ppm, max per year @25 Deg C
Shock	Drop test 3 times on a hard board from 75 cm height or 3000 g, .3 ms, 1/2 sine wave in 3 directions - max frequency shift 5 ppm

Applications

Mobile & Wireless Equipment
Datacom Hubs/Switches/Routers
Telecom Switching & Computers
TCXO - VCXO -PLL -Synthesizer

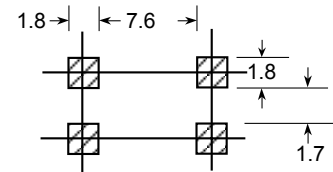
Applications

Low profile
Molded plastic package for SMD
Wide Frequency & Stability Options
IR Reflow Assembly Compatibility



Dimensions are in mm
All Tolerances are ± 0.2

XP Outline



Land Pattern

Equivalent Series Resistance

Frequency (MHz)	ESR, max Ohms	Mode
3.5-3.999	200	Fundamental
4.0-5.999	150	Fundamental
6.0-9.999	100	Fundamental
10.0-32.0	50	Fundamental
30-35.9	100	Third Overtone
36-70	80	Third Overtone

Part Numbering Description (Example: XP-16-F-50-A-C-27-T)

