
Features

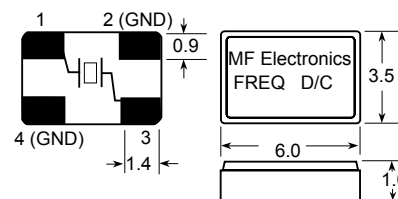
Small size - 6 x 3.5 mm
Resistance Weld Package
Wide Frequency & Stability Options
IR Reflow Assembly Compatibility

Applications:

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

Specifications

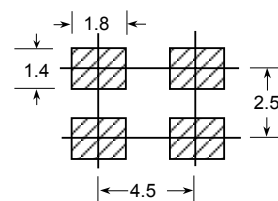
Frequency: 10 to 45 Mhz (Fundamental)
45 to 125 MHz (Third Overtone)
Tolerance: 10 to 50 ppm (@25 Deg C)
Stability vs Temp: 10 to 50 ppm (Ref to 25 Deg C)
Aging: 5 ppm per year, max.
Shunt Capacitance: 7 pf max
Drive Level: 10 uW to 100 uW
Temperatures: Storage from -40 to +85 Deg C



Dimensions are in mm
All Tolerances are ± 0.2

Equivalent Series Resistance

Frequency (MHz)	ESR, max Ohms	Mode
10.0-14.9	70	Fundamental
15.0-19.9	60	Fundamental
20.0-33.0	50	Fundamental
33.1-45.0	40	Fundamental
45.1 - 80.0	80	Third overtone
80.1-125.0	60	Third overtone

X6 Outline

Land Pattern
Part Numbering Description (Example: X6-18-T-10-E-A-77.76-T)

Model	Load	Mode	Tolerance	Stability	Temperature Range	Frequency	Packaging
X6	18=18pf 16=16pf S=Series 32=32pf	F=Fundamental T=Third OT	@ 25 C 10=10 ppm 15=15 ppm 30=30 ppm 50=50ppm	Ref 25 C E = 10 ppm F = 15 ppm B = 30 ppm A = 50 ppm	A= -10 to 60 C B= -20 to 70 C	in MHz	T=Tape & Reel B=Bulk