

SMD Crystal Resonators



Size: 7.0×5.0×1.00 mm

6F Series SMD Crystal Resonator

Features

- 7050 size SMD crystal resonator with a low profile of 1.00mm.
- Wide frequency range form a comparatively low 6MHz up to 160MHz.
- High precision and high frequency stability.
- Automatic mounting and reflow soldering.
- Applications for Bluetooth, wireless communication set, DSC, Radio communication, Office automation equipment, etc.
- RoHS Compliant / Pb-Free.



Electrical Specifications

Item /Type	6F (SMD 7050 crystal resonator)
Frequency Range	6~160MHz
Frequency Tolerance(at 25 °C)	±10ppm~±50ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm~±50ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance(C ₀)	5pF Max.
Drive Level	1~200μW Max.(100μW Typical)
Load Capacitance	16pF, 20pF,30pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	1000pcs./Reel
Pad	4Pads

Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
6~10MHz	100Ω Max.	30~80MHz	90Ω Max.
10~12MHz	60Ω Max.	80~100MHz	90Ω Max.
12~30MHz	50Ω Max.	100~160MHz	100Ω Max.

Dimensions

Units:mm

