



Features

- 7050 size SMD crystal resonator with a low profile of 1.00mm.
- Wide frequency range from 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.



Electrical Specifications

Type	KSS7050 QUARTZ CRYSTL
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	100 Ω Max.	30~80MHz	90 Ω Max.
10~12MHz	60 Ω Max.	80~100MHz	90 Ω Max.
12~30MHz	50 Ω Max.	100~160MHz	100 Ω Max.

Ordering Information

KSS7050	012M	20	30	30	A	
Product Code	Frequency Range 12.000MHz	Load Capacitance 20=20pF	Frequency Tolerance 30=±30ppm	Frequency Stability 30=±30ppm	Operating Temperature	
					A:-20~+70°C	D:-40~+125°C
					B:-10~+70°C	E:-10~+60°C
					C:-40~+85°C	F:-30~+70°C

Dimension

Units:mm

