



Features

- 5032 size miniature SMD crystal resonator with a low profile of 0.90mm.
- Wide frequency range from a comparatively low 8 MHz up to 125MHz.
- High precision and high frequency stability.
- Excellent for reducing EMI effect.
- Automatic mounting and reflow soldering.
- Applications for Bluetooth, wireless communication set, DSC, PDA, mobile phone, USB interface card, etc.



Electrical Specifications

Type	KSS5032 QUARTZ CRYSTAL
Frequency Range	8MHz~125MHz
Frequency Tolerance(at 25°C)	±10ppm, ±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, ±30ppm, 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	10pF, 16pF, 20pF, or specify
Aging(at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	1000pcs/Reel

Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
8~11MHz	80 Ω Max.	40~60MHz	120 Ω Max.
12~54MHz	40 Ω Max.	60~125MHz	80 Ω Max.

Ordering Information

KSS5032	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

