



### Features

- 3225 size miniature and light SMD crystal resonator with a low profile of 0.70mm.
- Wide frequency range from a comparatively low 10MHz up to 64MHz.
- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.
- Automatic mounting and reflow soldering.
- Applications in PDA, DSC, DVC, Wireless communication, Mobile phone, PC, and more.



### Electrical Specifications

Type	KSS3225 QUARTZ CRYSTAL
Frequency Range	10~64MHz
Frequency Tolerance(at 25°C)	±10ppm ~ ±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm ~ ±30ppm, or specify
Operating Temperature Range	-40~+85°C, or specify
Shunt Capacitance(C0)	5pF Max.
Drive Level	1~200µW Max.(100µW Typical)
Load Capacitance	8pF, 10pF, 12pF, or specify
Aging(at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	3000pcs/Reel

### Equivalent Series Resistance(ESR)

Fundamental	
10~16MHz	100 Ω Max
16~20MHz	80 Ω Max
20~64MHz	60 Ω Max

### Ordering Information

KSS3225	012M	18	20	20	A	
Product Code	Frequency Range 12.000MHz	Load Capacitance 18=18pF	Frequency Tolerance 20=±20ppm	Frequency Stability 20=±20ppm	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

