



### Features

- 2016 size miniature and light SMD crystal resonator with a low profile of 0.50mm.
- Wide frequency range from a comparatively low 16MHz up to 54MHz.
- High precision and high frequency stability.
- Automatic mounting and reflow soldering.
- Applications in smart phone, sip module, variety of compact portable consumer products.



### Electrical Specifications

Type	KSS2016 QUARTZ CRYSTAL
Frequency Range	16MHz~54MHz
Frequency Tolerance(at 25°C)	±10ppm, ±20ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, ±20ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance(C <sub>0</sub> )	5pF Max.
Drive Level	1~200µW Max.(50µW Typical)
Load Capacitance	8pF, 10pF, or specify
Aging(at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	3000pcs/Reel

### Equivalent Series Resistance(ESR)

Fundamental	
16~19.2MHz	200 Ω Max.
19.2~30MHz	100 Ω Max.
30~54MHz	80 Ω Max.

### Ordering Information

KSS2016	024M	10	20	20	A	
Product Code	Frequency Range 24.000MHz	Load Capacitance 10=10pF	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

