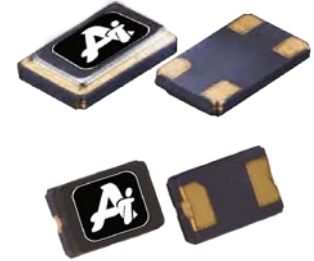




### Features

- 6035 size miniature SMD crystal resonator with a low profile of 1.00mm.
- Wide frequency range from a comparatively low 8 MHz up to 100MHz.
- High precision and high frequency stability.
- 2 Pads or 4 Pads.
- Automatic mounting and reflow soldering.
- Applications for Bluetooth, wireless communication set, DSC, PDA, mobile phone, USB interface card, etc.



### Electrical Specifications

Type	KSS6035 QUARTZ CRYSTAL
Frequency Range	8MHz~100MHz
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 <sub>0</sub> )	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
Pad	2Pads / 4Pads

### Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
8~10MHz	150 Ω Max.	40~100MHz	70 Ω Max.
10~12MHz	80 Ω Max.		
12~40MHz	50 Ω Max.		

### Ordering Information

KSS6035	012M	20	30	30	A		B
Product Code	Frequency Range 12.000MHz	Load Capacitance 20=20pF	Frequency Tolerance 30=±30ppm	Frequency Stability 30=±30ppm	Operating Temperature		Pad
					A:-20~+70°C	D:-40~+125°C	A: 4Pads
					B:-10~+70°C	E:-10~+60°C	B: 2Pads
					C:-40~+85°C	F:-30~+70°C	

### Dimension

Units:mm

