



### Features

- 5032 size miniature SMD crystal resonator with a low profile of 1.20mm.
- 2 pads SMD sealed crystal units.
- High reliable environmental performance.
- Tight tolerance and stability parts are available.
- Reasonable cost and good delivery performance.
- Automatic mounting and reflow soldering.
- Applications for portable PC, PDA, DSC, and USB interface card, etc.
- Contains Pb in sealing glass exempted by RoHS directive.



### Electrical Specifications

Type	Glass SMD 5032 crystal resonator
Frequency Range	8MHz~54MHz
Frequency Tolerance(at 25 °C)	±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±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, 10pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-40~+85°C
Packing Unit	1000pcs/Reel

### Equivalent Series Resistance(ESR)

Fundamental	
8~12MHz	80 Ω Max.
12~54MHz	50 Ω Max.

### Ordering Information

KSG5032	012M	10	30	30	A	
Product Code	Frequency Range	Load Capacitance	Frequency Tolerance	Frequency Stability	Operating Temperature	
	12.000MHz	10=10pF	30=±30ppm	30=±30ppm	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

