



Features

- 2520 size miniature and light SMD crystal resonator with a low profile of 0.75mm.
- Wide frequency range from a comparatively low 12MHz up to 64MHz.
- High precision and high frequency stability.
- High reliable environmental performance.
- Automatic mounting and reflow soldering.
- Applications in NB, DSC, USB, Variety of compact portable consumer products reference clocks.
- Contain Pb in sealing glass exempted by RoHS directive.



Electrical Specifications

Type	KSG2520 QUARTZ CRYSTAL GLASS
Frequency Range	12MHz~64MHz
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 ₀)	5pF Max.
Drive Level	1~50µW Max.(10µW Typical)
Load Capacitance	8pF, 10pF, or specify
Aging(at 25°C)	±3ppm / year Max.
Storage Temperature Range	-40~+85°C
Packing Unit	3000pcs/Reel

Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
12~13MHz	200 Ω Max.	20~27MHz	80 Ω Max.
13~16MHz	150 Ω Max.	27~64MHz	60 Ω Max.
16~20MHz	100 Ω Max.		

Ordering Information

KSG2520	012M	10	20	20	A	
Product Code	Frequency Range 12.000MHz	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

