



### Features

- 1210 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.30mm.
- Wide frequency range from a comparatively low 36MHz up to 54MHz.
- High precision and high frequency stability.
- High reliable environmental performance.
- Automatic mounting and reflow soldering.
- Applications for smart phone, sip module, variety of compact portable consumer products reference clocks.



### Electrical Specifications

Type	KSS1210 QUARTZ CRYSTAL
Frequency Range	36~54MHz
Frequency Tolerance(at 25 °C)	±15ppm, ±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±15ppm, ±30ppm, or specify
Operating Temperature Range	-10~+70°C, or specify
Shunt Capacitance(C <sub>0</sub> )	5pF Max.
Drive Level	1~100µW Max.(50µW Typical)
Load Capacitance	8pF, 10pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-40~+125°C
Packing Unit	3000pcs/Reel

### Equivalent Series Resistance(ESR)

Fundamental	
36~54MHz	150 Ω Max..

### Ordering Information

KSS1210	036M	10	30	30	A	
Product Code	Frequency Range 36.000MHz	Load Capacitance 10=10pF	Frequency Tolerance 30=±30ppm	Frequency Stability 30=±30ppm	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

