

## Features

- 2520 size miniature and light SMD crystal resonator with a low profile of 0.55mm.
- Wide frequency range form a comparatively low 12MHz up to 54MHz.
- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.
- Automatic mounting and reflow soldering.
- Applications in smart phone, sip module, variety of compact portable consumer products.
- RoHS Compliant / Pb-Free.



## Electrical Specifications

Item /Type	7E (SMD 2520 crystal resonator)
Frequency Range	12~54MHz
Frequency Tolerance(at 25 ºC )	±10ppm, ±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, ±30ppm, or specify
Operating Temperature Range	-20~+70ºC, or specify
Shunt Capacitance(C <sub>0</sub> )	3pF Max.
Drive Level	1~200µW Max.(100µW Typical)
Load Capacitance	8pF, 10pF, 12pF, or specify
Aging (at 25ºC)	±3ppm / year Max.
Storage Temperature Range	-55~+125ºC
Packing Unit	3000pcs./Reel

## Equivalent Series Resistance(ESR)

Fundamental	
12~13MHz	150 Ω Max.
13~30MHz	100 Ω Max.
30~54MHz	60 Ω Max.

## Dimensions

Units:mm

