

# SMD-140 Series

## *Seam Welded Ceramic Surface Mount Crystals*

Frequency Range	10.000 ~ 150.000 MHz
Oscillation Mode	10.000 ~ 50.000 MHz (Fundamental) 40.000 ~ 90.000 MHz (3 <sup>rd</sup> Overtone) 70.000 ~ 150.00 MHz (5 <sup>th</sup> Overtone)
Frequency Tolerance	± 10ppm, ± 15ppm, ±20ppm@+25
Frequency Stability	± 5ppm, ± 10ppm, ± 15ppm
Operating temperature range	0 ~ +70
Equivalent series resistance	As per Chart below
Load Capacitance	Customer Specified
Drive Level	100 μ W Max.

All specifications are subject to change without notice.

Option: \*Tighter Tolerance, Tighter Stability, Extended Temperature

### *Equivalent Series Resistance :*

Frequency (MHz)	Equivalent Series Resistance( Ω )	Oscillation Mode
10.000~11.999	80	Fundamental
12.000~50.000	50	Fundamental
40.000~49.999	60	3 <sup>rd</sup> overtone
50.000~90.000	60	3 <sup>rd</sup> overtone
70.000~89.999	100	5 <sup>th</sup> overtone
90.000~150.00	100	5 <sup>th</sup> overtone

