

# SMD Seam Sealing Crystals

## 5.3x3.2x0.9mm AS53 Series



### Features

- Reliable seam sealed ceramic package.
- Wide operating temperature range.
- Superior and reliable performance in harsh environment.
- Application: TPMS, ECM, ABS and sensor modules.
- RoHS Compliant / Pb Free.



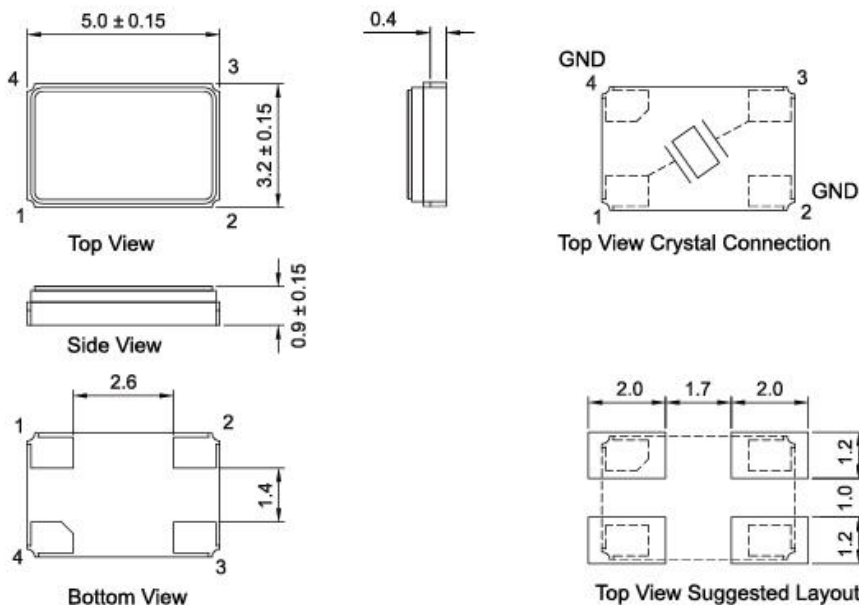
### Crystals specifications

ITEMS/TYPE	AS53
Frequency Range	8~54MHz
Vibration Mode	Fundamental
Load Capacitance	20pF, or specify
Frequency Tolerance (at 25°C)	±20ppm, or specify
Frequency Stability Over Operating Temperature Range	±150ppm Max.
Operating Temperature Range	-40~+125°C or specify
Drive Level	300μW Max. (10 μW typical)
Storage Temperature Range	-40~+125°C
Reliability Standard	AEC-Q200
Packing Unit	1,000pcs/Reel

### Equivalent Series Resistance(ESR)

Fundamental	
8~10MHz	150 Ω Max.
10~12MHz	100 Ω Max.
12~20MHz	80 Ω Max.
20~54MHz	60 Ω Max.

### Dimensions and patterns(unit:mm)



Units:mm