

# ASX5F

## 5x3.2mm Surface Mount Ceramic Crystal Units



### Applications:

- Digital Cellular Telephone
- GPS
- Wireless LAN
- Notebook PC
- POS
- Bluetooth
- Consumer Electronics
- Digital Camera

### FEATURES

- Seam Seal
- Excellent Vibration Resistance & Shock Resistance
- Excellent Solderability
- Excellent Thermal Hysteresis
- High Frequency Stability
- RoHS/REACH Compliant

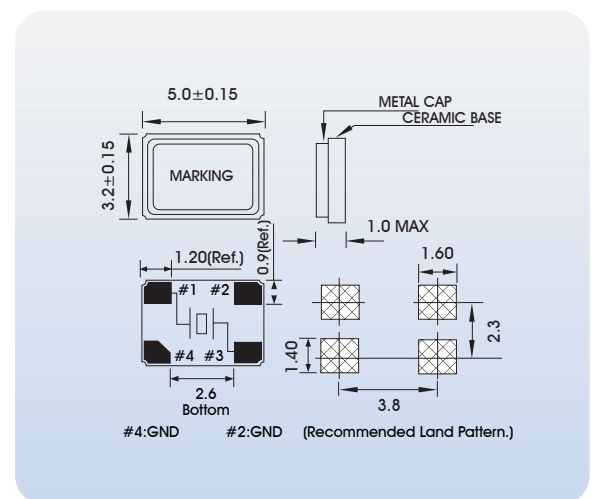
### SPECIFICATION

MODEL	ASX5F	
Frequency		
Frequency Range (Fundamental)	MHz	8.000 ~ 54.000
Frequency Range (3rd overtone)		40.000 ~ 133.000
Frequency Tolerance (25°C)	ppm	± 10 ~ ± 100
Frequency Stability (Ref to 25°C)	ppm	± 15 ~ ± 100      ± 50 ~ ± 100
Environmental Condition		
Operating Temperature Range	°C	-40 to +125 or Specify      -55 ~ +125
Storage Temperature Range	°C	- 55 to + 125
Aging	ppm/Year	± 3
Electrical Specifications		
Test Circuit		S&A 350A with $\pi$ Fixture
Load Capacitance (CL)	pF	6pF ~ Series (Customer Specified)
Drive Level	uW	10, 30, 50, 100, 200, 500 or special requirement
Equivalent Series Resistance	$\Omega$	see table
Shunt Capacitance (Co)	pF	7.0 (Max)

### EQUIVALENT SERIES RESISTANCE ( $\Omega$ )

Frequency (MHz)	Mode	Max ESR ( $\Omega$ )
8.000 ~ 9.749	Fundamental	70
9.750 ~ 9.999	Fundamental	60
10.000 ~ 11.999	Fundamental	45
12.000 ~ 15.999	Fundamental	35
16.000 ~ 19.999	Fundamental	30
20.000 ~ 49.999	Fundamental	25
50.000 ~ 54.000	Fundamental	20
40.000 ~ 79.999	3rd overtone	100
80.000 ~ 99.999	3rd overtone	80
100.000 ~ 133.000	3rd overtone	60

### DIMENSION (mm)



### MARKING RULE

