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# SPECIFICATIONS

Crystals ASX

**ASX6F-/ASX6T-Serie**

Version August 2020

# ASX6F / ASX6T

## 6x3.5mm 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

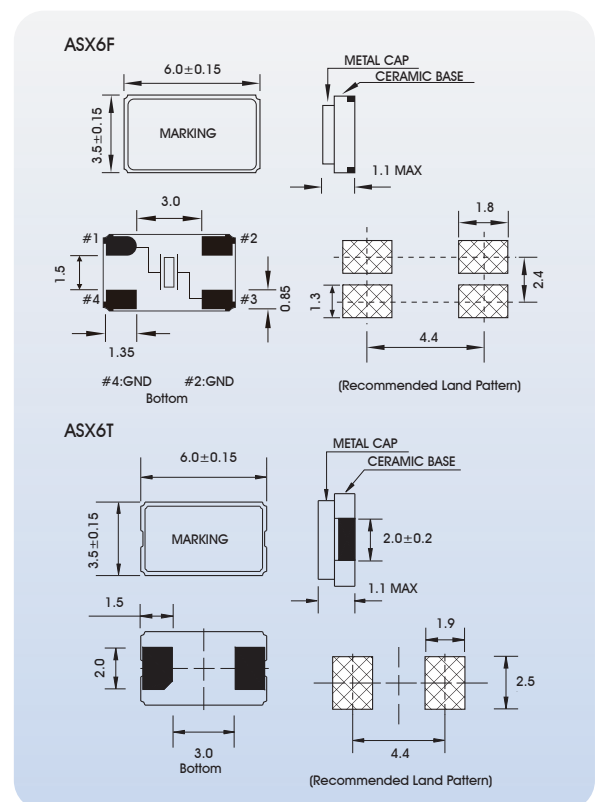
### SPECIFICATION

MODEL	ASX6F / ASX6T	
Frequency		
Frequency Range (Fundamental)	MHz	7.3728 ~ 52.000
Frequency Range (3rd overtone)		40.000 ~ 133.000
Frequency Tolerance (25°C)	ppm	± 10 ~ ± 50
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 ( $\Omega$ )
7.3728 ~ 7.999	Fundamental	100
8.000 ~ 9.999	Fundamental	70
10.000 ~ 11.999	Fundamental	50
12.000 ~ 19.999	Fundamental	30
20.000 ~ 24.999	Fundamental	25
25.000 ~ 52.000	Fundamental	20
40.000 ~ 51.999	3rd overtone	100
52.000 ~ 79.999	3rd overtone	80
80.000 ~ 133.00	3rd overtone	70

### DIMENSION (mm)



### MARKING RULE

