

SWISSDIS



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SPECIFICATIONS

Crystals ASX

ASX3F-Serie

Version August 2020

ASX3F

3.2x2.5mm 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

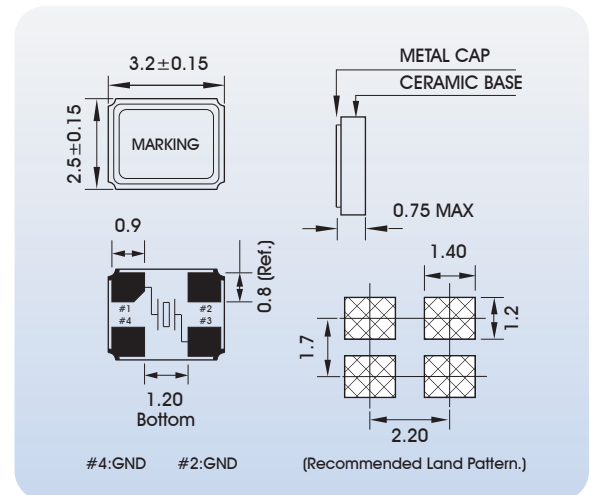
SPECIFICATION

MODEL	ASX3F		
Frequency			
Frequency Range (Fundamental)	MHz	8.000 ~ 64.000	
Frequency Range (3rd overtone)		60.000 ~ 150.000	
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 π Fixture	
Load Capacitance (CL)	pF	6pF ~ Series (Customer Specified)	
Drive Level	uW	10, 30, 50, 100, 200, 500 or special requirement	
Equivalent Series Resistance	Ω	see table	
Shunt Capacitance (Co)	pF	3.0 (Max)	

EQUIVALENT SERIES RESISTANCE (Ω)

Frequency (MHz)	Mode	Max ESR (Ω)
8.000 ~ 9.999	Fundamental	500
10.000 ~ 11.999	Fundamental	150
12.000 ~ 15.999	Fundamental	80
16.000 ~ 19.999	Fundamental	60
20.000 ~ 24.999	Fundamental	50
25.000 ~ 53.999	Fundamental	40
54.000 ~ 64.000	Fundamental	30
60.000 ~ 99.999	3rd overtone	150
100.000 ~ 124.999	3rd overtone	100
125.000 ~ 150.000	3rd overtone	80

DIMENSION (mm)



MARKING RULE

