

ASX7F

7x5mm Surface Mount Ceramic Crystal Units

Applications:

- Digital Cellular Telephone
- GPS
- Wireless LAN
- Notebook PC
- TCXO
- Bluetooth
- Portable PC

FEATURES

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

SPECIFICATION

MODEL		ASX7F
Frequency		
Frequency Range (Fundamental)	MHz	6.000 ~ 48.000
Frequency Range (3rd overtone)		40.000 ~ 133.000
Frequency Tolerance (25°C)	ppm	± 10 ~ ± 50
Frequency Stability (Ref to 25°C)	ppm	± 10 ~ ± 50
Environmental Condition		
Operating Temperature Range	°C	-10 to +70
Storage Temperature Range	°C	-55 to +125
Aging	ppm/Year	± 1, ± 2, ± 3
Electrical Specifications		
Test Circuit		S&A 350A with π Fixture
Load Capacitance (CL)	pF	10pF ~ Series (Customer Specified)
Drive Level	uW	15, 30, 50, 100, 200, 500 or special requirement
Equivalent Series Resistance	Ω	see table
Shunt Capacitance (Co)	pF	7.0 (Max.)

EQUIVALENT SERIES RESISTANCE (Ω)

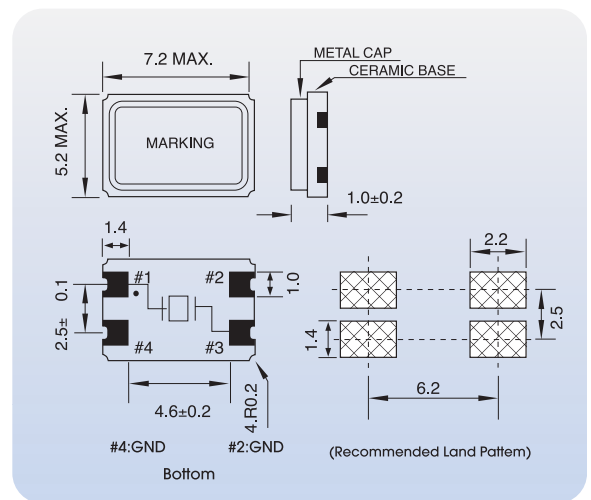
Frequency (MHz)	Mode	Max ESR (Ω)
6.00 ~ 10.00	Fundamental	110
10.01 ~ 12.00	Fundamental	60
12.01 ~ 15.00	Fundamental	50
15.01 ~ 20.00	Fundamental	45
20.01 ~ 30.00	Fundamental	30
30.01 ~ 40.00	Fundamental	20
40.01 ~ 48.00	Fundamental	20
40.00 ~ 52.00	3rd overtone	80
52.01 ~ 80.00	3rd overtone	70
80.01 ~ 133.0	3rd overtone	60

PART NUMBERING GUIDE

Example: ASX7F-25M-FE160E2

MODEL	Frequency	Mode	Tolerance	CL	Stability	OP Temp Range
ASX7F	In MHZ	F: Fundamental 3: 3rd Overtone	A: ± 10ppm B: ± 15ppm C: ± 20ppm D: ± 25ppm E: ± 30ppm F: ± 50ppm G: ± 100ppm O: Others	080: 8pF 125: 12.5pF 160: 16pF 180: 18pF 200: 20pF 300: 30pF 320: 32pF S: Series	A: ± 10ppm B: ± 15ppm C: ± 20ppm D: ± 25ppm E: ± 30ppm F: ± 50ppm G: ± 100ppm O: Others	1: 0 to +70°C 2: -10 to +70°C 3: -20 to +70°C 4: -20 to +80°C 5: -40 to +85°C 6: -40 to +105°C 0: Others

DIMENSION (mm)



MARKING RULE

