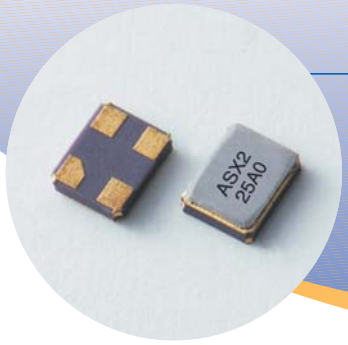


ASX2F

2.5x2.0mm Surface Mount Ceramic Crystal Units

Applications:

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

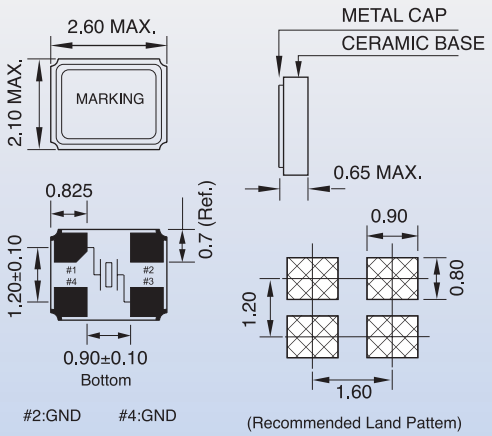
FEATURES

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

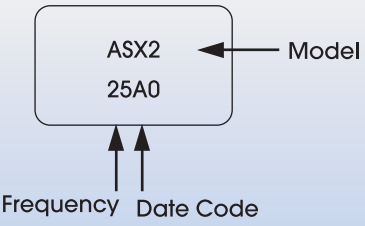
SPECIFICATION

MODEL		ASX2F
Frequency		
Frequency Range (Fundamental)	MHz	16.000 ~ 50.000
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	5.0 (Max.)

DIMENSION (mm)



MARKING RULE



EQUIVALENT SERIES RESISTANCE (Ω)

Frequency (MHz)	Mode	Max ESR (Ω)
16.000 ~ 29.999	Fundamental	100
30.000 ~ 50.000	Fundamental	70

PART NUMBERING GUIDE

Example: ASX2F-25M-FE160E2

MODEL	Frequency	Mode	Tolerance	CL	Stability	OP Temp Range
ASX2F	In MHZ	F: Fundamental	A: ±10ppm	080: 8pF	A: ±10ppm	1: 0 to +70°C
			B: ±15ppm	125: 12.5pF	B: ±15ppm	2: -10 to +70°C
			C: ±20ppm	160: 16pF	C: ±20ppm	3: -20 to +70°C
			D: ±25ppm	180: 18pF	D: ±25ppm	4: -20 to +80°C
			E: ±30ppm	200: 20pF	E: ±30ppm	5: -40 to +85°C
			F: ±50ppm	300: 30pF	F: ±50ppm	6: -40 to +105°C
			G: ±100ppm	320: 32pF	G: ±100ppm	0: Others
			O: Others	S: Series	O: Others	