

ASX5F / ASX5T

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

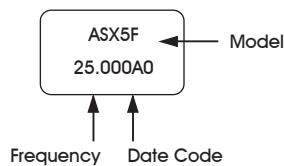
SPECIFICATION

MODEL	ASX5F/ASX5T/ASX5TA	
Frequency		
Frequency Range (Fundamental)	MHz	8.000 ~ 52.000
Frequency Range (3rd overtone)		40.000 ~ 133.000
Frequency Tolerance (25°C)	ppm	± 10 ~ ± 100
Frequency Stability (Ref to 25°C)	ppm	± 15 ~ ± 100
Environmental Condition		
Operating Temperature Range	°C	- 40 to +85 or Specify
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	7.0 (Max)

EQUIVALENT SERIES RESISTANCE (Ω)

Frequency (MHz)	Mode	Max ESR (Ω)
8.00 ~ 10.00	Fundamental	150
10.01 ~ 12.00	Fundamental	90
12.01 ~ 15.00	Fundamental	70
15.01 ~ 20.00	Fundamental	50
20.01 ~ 30.00	Fundamental	40
30.01 ~ 40.00	Fundamental	30
40.01 ~ 52.00	Fundamental	20
40.00 ~ 80.00	3rd overtone	100
80.01 ~ 133.00	3rd overtone	80

MARKING RULE



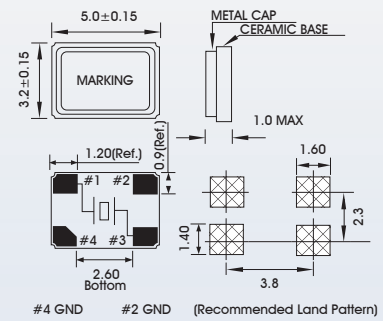
PART NUMBERING GUIDE

Example: ASX5F-25M-FE160E2

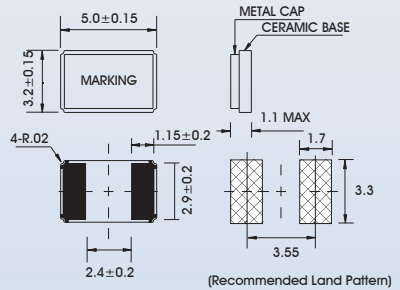
MODEL	Frequency	Mode	Tolerance	CL	Stability	OP Temp Range
ASX5F	In MHz	F: Fundamental	A: ±10ppm	060: 6pF	A: ±10ppm	1: 0 to +70°C
ASX5T			B: ±15ppm	125: 12.5pF	B: ±15ppm	2: -10 to +70°C
ASX5TA			C: ±20ppm	160: 16pF	C: ±20ppm	3: -20 to +70°C
			D: ±25ppm	180: 18pF	D: ±25ppm	4: -20 to +80°C
			E: ±30ppm	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	

DIMENSION (mm)

ASX5F



ASX5T-Standard



ASX5TA-Available

