

Miniature, LOW PROFILE (2.5mm) SMD Crystal

SM25

APPLICATIONS

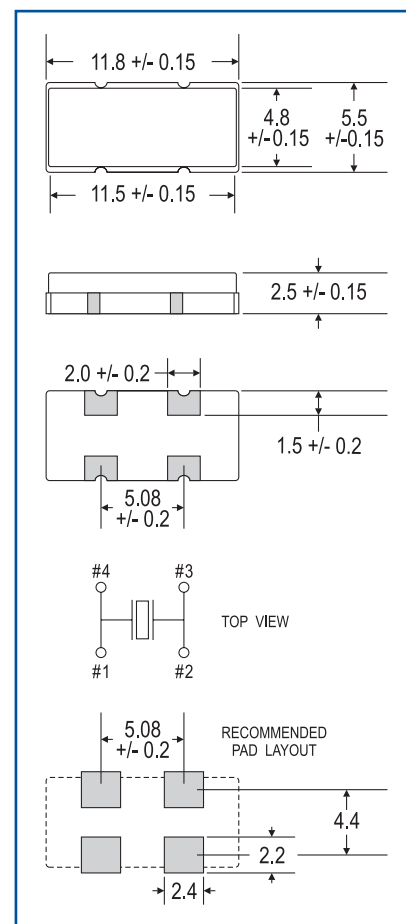
- Communication equipment
- Computers & peripherals
- Measuring instrumentation
- Disk & Tape Drives
- PCMCIA
- Cameras

FEATURES

- Ideal for low profile/low frequency applications
- Low power consumption
- Reflow solderable at 260°C for 10 secs

SPECIFICATIONS

Frequency Range	3.541 to 25.0 MHz
Operating Temp Range	-10° C to 60° C
Storage Temp Range	-55°C ~ 125°C
Calibration Tolerance	± 50 ppm @ 25°C
Freq Tol vs Temp Range	± 50 ppm from -10°C to 60°C
Drive Level	100.0 μ W max
Shunt Capacitance	5.0 pF
Aging	± 5 ppm max per year @ 25°C
Vibration	MIL-STD-202 Method 204, 35G, 50 to 2000 Hz
Shock	MIL-STD-202 Method 213B Test Cond E, 1000G, 1/2 Sine Wave
Humidity	85% RH, 85°C, 48 Hours
Hermetic Seal	Leak Rate 2 x 10 ⁻⁸ ATM-cm ³ /sec max
Solderability	MIL-STD-202 Method 208
Reflow Solderability	260°C for 10 seconds
Packaging	Tape & Reel (pcs/reel TBD)
Equivalent Series Resistance (MHz= Ω max)	3.541 ~ 3.999 = 150 8.000 ~ 11.999 = 80 4.000 ~ 7.999 = 120 12.000 ~ 25.000 = 50



SM25

Units = mm

Monitor Products has a proven track record as a pioneer manufacturer in the frequency control market. If our extensive selection of standard and engineered crystals and oscillators does not meet your spec, we will work with you towards a customized solution.

PART NUMBERING KEY

Sample Part Number

SM25NIB1E =
@ 3.57545 MHz

SM25	CORRELATION	MODE	CALIBRATION TOLERANCE @ 25°C	TEMPERATURE RANGE	PACKAGING	FREQUENCY (MHz)
SM25	L = 12 pF O = 32 pF M = 15 pF Q = 24 pF N = 20 pF* R = 18 pF S = Series Resonant X = Customer Spec	1 = Fundamental	B = 100 ppm* C = 50 ppm	1 = -10°C ~ 60°C	A = Bulk E = Tape & Reel* (pcs/reel TBD) X = Cust spec	3.57545

* Standard

Call factory for additional options. Use full descriptive part number when ordering. Parts will be marked with series and frequency only.