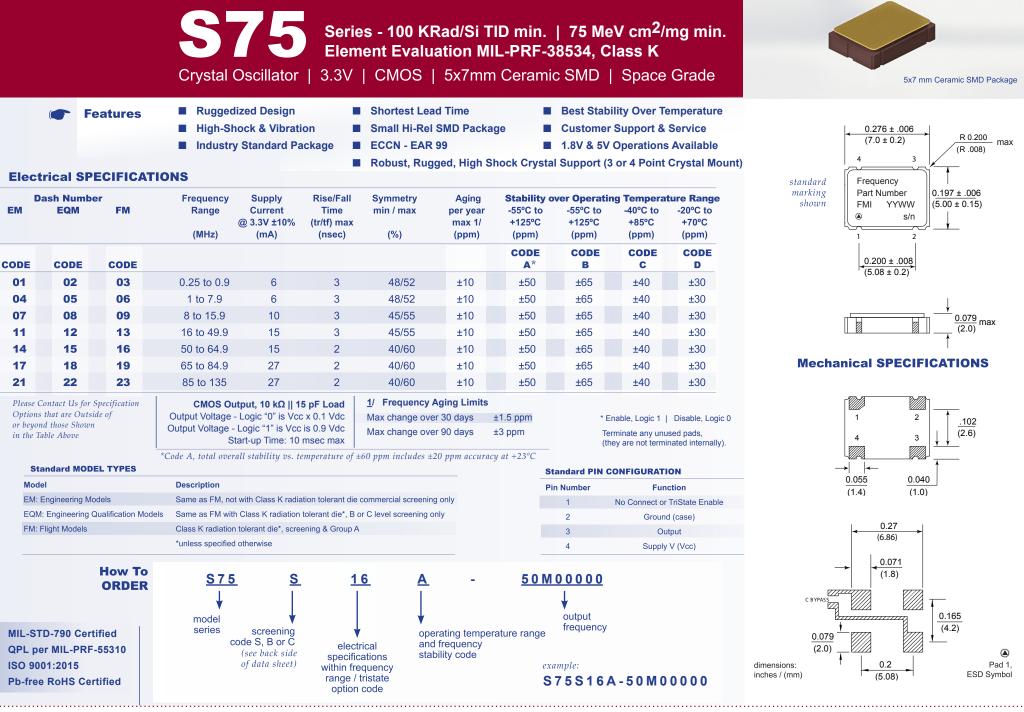
FMI Model Number





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Thru-hole Leaded 5x7 mm Ceramic SMD for Space, **Please Inquire!**



Screening	Method Level:	s	В	в		
Non-Destruct Bond Pull	MIL-STD-883, Method 2023	•			T	
Internal Visual	MIL-STD-883, Method 2017, Class K; Method 2032	•			İ	
	MIL-STD-883, Method 2017, Class H; Method 2032		•			
Stabilization (Vacuum) Bake	MIL-STD-883, Method 1008, Condition C, 150°C, 48 hours min	•			Ī	
	MIL-STD-883, Method 1008, Condition C, 150°C, 24 hours min		•			
Temperature Cycling	MIL-STD-883, Method 1010, Condition B, 10 Cycles	•	•		l	
Constant Acceleration	MIL-STD-883, Method 2001, Condition A (Y1 only, 5000 g's)	•	•		Ì	
PIND Test	MIL-STD-883, Method 2020, Condition B, 5 passes max	•			l	
Seal: Fine Leak	MIL-STD-883, Method 1014, Condition A1	•				
	MIL-STD-202, Method 112, Condition C, 111A		•			
Seal: Gross Leak	MIL-STD-202, Method 112, Condition D	•				
Electrical Test	Functional Test Only at +23°C	•	•			
Marking & Serialization	MIL-STD-1285	•	•			
Electrical Test	Nominal Vcc & Extremes and Nominal Temp and Extremes	•	•			
Burn-in (load)	+125°C, Nominal Supply Voltage and Burn-in load, 160 hours min	•	•			
Burn-in (no-load)	+125°C, Nominal Supply Voltage and Burn-in load, 48 hours min					
Interim Electrical	Functional Test Only	•				
Burn-in (load)	+125°C, Nominal Supply Voltage and Burn-in load, 160 hours min	•				
b) Frequency stability is tested	ncy, output waveform, are tested at +23°C ±2°C over the specified temperature range; at both minimum of 5 temperature increments is by lot # and then serial #	•	•			
Radiography	MIL-STD-883, Method 2012	•				
Frequency Aging	MIL-PRF-55310, +70°C Condition	•				
Frequency/Temperature Stability	MIL-PRF-55310, Over temperature extremes, 20 points equally spaced	•				
External Visual & Mechanical	MIL-STD-883, Method 2009	•				

note: other options, screening levels and custom test plans available.

Military Reference Specifications

MIL-STD-790 Certified	MIL-PRF-55310	Oscillators, Crystal Controlled, General Specification For
QPL per MIL-PRF-55310	MIL-PRF-38534 MIL-STD-202	Hybrid Microcircuits, General Specification For Test Method Standard, Electronic and Electrical Components
ISO 9001:2015 Pb-free RoHS Certified	MIL-STD-883 MIL-STD-1686	Test Methods and Procedures for Microelectronics Electrostatic Discharge Control Program for Protection of
		Electrical and Electronic Parts, Assemblies and Equipment



FREQUENCY MANAGEMENT | International 15302 Bolsa Chica Street

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Please request our General Specification for Class S Oscillators Document # QP1100100

Options Available for FLIGHT MODELS

Groups B, C, & D per MIL-PRF-38534 (QCI or Qualification)					
Groups B & C per MIL-PRF-55310	Single Lot Date Code				
Data Packages	Source Inspection				
Swept Quartz Crystals	HiRes Photography				

Environmental COMPLIANCE Environmental Method Condition Specification Vibration - Sine 20g, 10 to 2 KHz MIL-STD-202 Method 204 Condition D Vibration – Random MIL-STD-202 Method 214 Condition 1 30g rms, 10 to 2 KHz Random Shock MIL-STD-202 Method 213 Condition I 100g, 6 ms, F:1500, 0.5 ms Seal Test MIL-STD-883 Method 1014 Condition A1 Fine Leak Seal Test MIL-STD-883 Method 1014 Condition C1 Gross Leak MIL-STD-883 Temperature Cycling Method 1010 Condition B 10 Cycles Minimum **Constant Acceleration** MIL-STD-883 Method 2001 Condition A 5000g, Y1 Axis Thermal Shock MIL-STD-202 Method 107 Condition B continued...

Environmental	Specification	Method	Condition
Ambient Pressure	MIL-STD-202	Method 105	Condition C
Resistance to Soldering Heat	MIL-STD-202	Method 210	Condition C
Moisture Resistance	MIL-STD-202	Method 106	with 7B Sub-cycle
Salt Atmosphere (corrosion)	MIL-STD-883	Method 1009	Condition A (24 hrs)
Terminal Strength	MIL-STD-202	Method 211	Test Condition D
Solderability	MIL-STD-883	Method 2003	
Resistance to Solvents	MIL-STD-202	Method 215	

Materials

- 1. Package Materials:
- Ceramic, Alumina 90% min 2. Pad Plating Material:
 - Gold Plate 0.3 µm (12 µ inch) over 2 µm (80 µ inch) min. Nickel

Products for Space Applications

Contact us for assistance with your specification. We will provide you with the technical support and the required documentation.

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