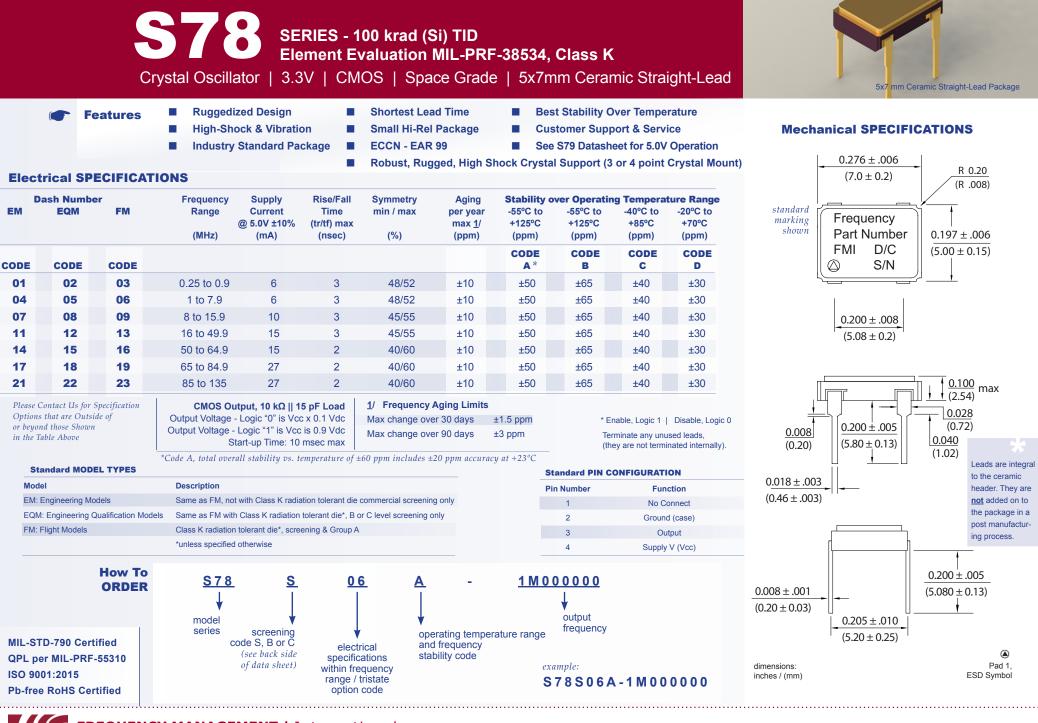
FMI Model Number



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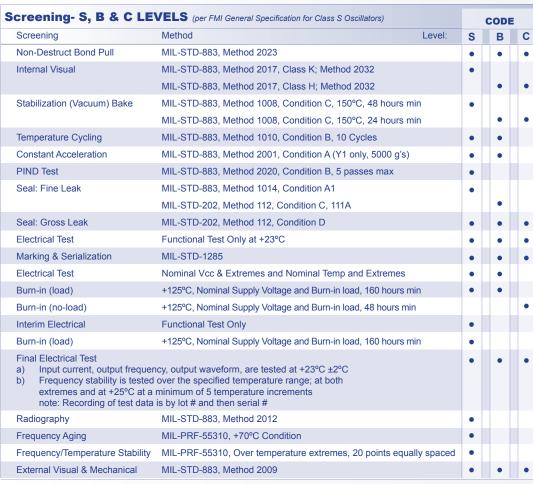
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New 5x3.2 Radiation Tolerant Oscillator for Space, Please Inquire!

C53



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

Military Reference Specifications

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



MIL-

QPL

ISO

Pb-f

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Options Available for FLIGHT MODELS

	Screening,	Groups A, B,	С,	& D per N	/IIL-PRF-38534	(QCI or	Qualification)
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- Screening, Groups A, B & C per MIL-PRF-55310
- Data Packages

incompletel COMPLEANCE

Single Lot Date Code

Please request our General Specification for

Class S Oscillators Document # **QP1100100**

- Swept Quartz Crystals
- Source Inspection
- HiRes Photography

Environmental COMPLIANCE									
Environmental	Specification	Method	Condition						
Vibration – Sine	MIL-STD-202	Method 204	Condition D	20g, 10 to 2 KHz					
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					
Temperature Cycling	MIL-STD-883	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	Specific	ation Me	ethod	Condition					
Ambient Pressure	MIL-STD-	202 Me	thod 105	Condition C					
Resistance to Soldering H	leat MIL-STD-	202 Me	thod 210	Condition C					
Moisture Resistance	MIL-STD-	202 Me	thod 106	with 7B Sub-cycle					
Salt Atmosphere (corrosio	n) MIL-STD-	883 Me	thod 1009	Condition A (24 hrs)					
Terminal Strength	MIL-STD-	202 Me	thod 211	Test Condition D					
Solderability	MIL-STD-	883 Me	thod 2003						
Resistance to Solvents	MIL-STD-	202 Me	thod 215						

Materials

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

over 2 μ m (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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