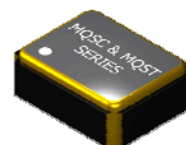


MQSC & MQST Series Ceramic SMD Oscillator



- Same day Shipping Available
- 2.5 X 3.2mm SMD Package
- RoHS Compliant
- Tape & Reel package Available



Frequency Range	1.000MHZ to 125.000MHZ			
Frequency Stability (Inclusive of Temperature, Load and Voltage)	See Part Number Guide			
Aging @ 25°C	±5 ppm per year max			
Operating Temperature Range	See Part Number Guide			
Storage Temperature Range	-55°C to +125°C			
Output Waveform	TTL		CMOS	
Supply Voltage (Vdd)	+3.3 VDC ±10%	+5.0 VDC ±10%	+3.3 VDC ±10%	+5.0 VDC ±10%
Supply Current (unloaded)	25mA	45mA	25mA	45mA
Load	5TTL max		15pF max	
Logic “0”	0.4V max		0.1 of Vdd max	
Logic “1”	2.4V min		0.9 of Vdd min	
Rise/Fall Time	4nSec max (0.4V to 2.4V)		4nSec max (20% Vdd to 80 Vdd)	
Start Up Time	10mSec max			
Duty Cycle	40%/60% (TTL @ 1.4V Level / CMOS @ 50% Waveform)			

Mechanical & Environmental Detail

Shock	MIL-STD-883, Method 2002 Cond B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-202, Method 215
Vibration	MIL-STD-883, Method 2007, Cond A
Gross Leak Test	MIL-STD-883, Method 1014, Cond C
Fine Leak Test	MIL-STD-883, Method 1014, Cond A2
MSL	Level 1 per IPC/JEDEC J-STD 20

Marking Detail

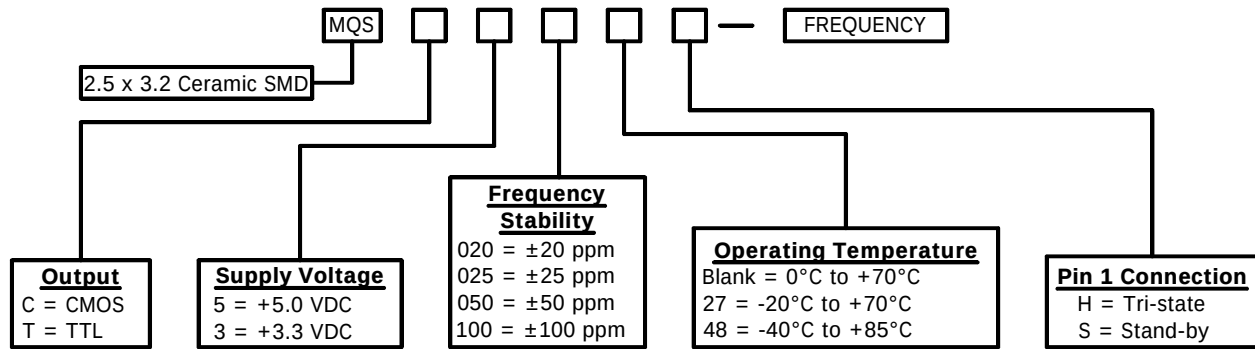
First Line = MXX.X (not to exceed 5 characters)		
M	=	MMD
XX.X	=	Device Frequency (four digits including decimal point)
Second Line = SYWW (not to exceed 5 characters)		
S	=	Internal Code
YYWW	=	Date Code (Year/Week)
Y	=	RoHS Compliant



MMD Monitor/Quartztek
 30400 Esperanza, Rancho Santa Margarita, CA, 92688
 Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
 Sales@mmdcomp.com

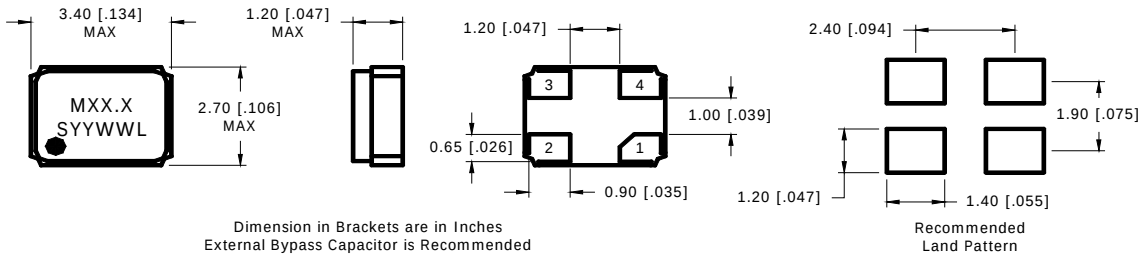


Part Number Guide



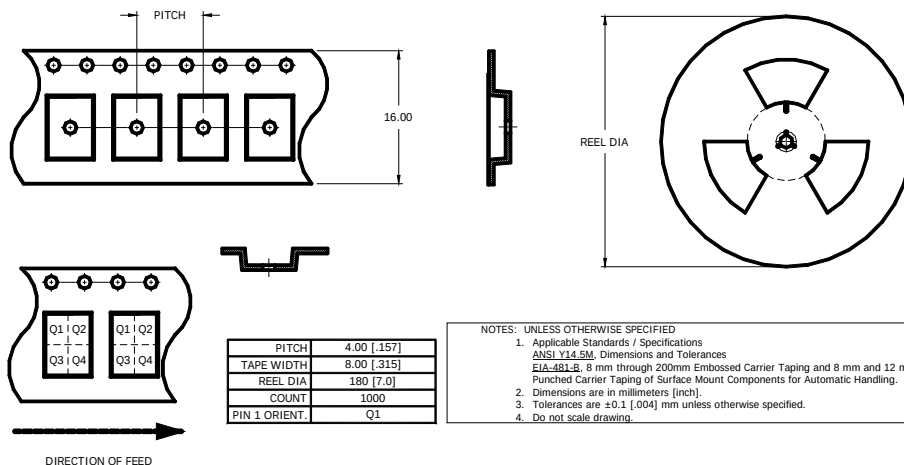
PLEASE CONSULT WITH MMD SALES DEPARTMENT FOR ANY OTHER PARAMETERS OR OPTIONS

Mechanical Details



PIN CONNECTIONS	
PIN 1	TRI-STATE OR STAND-BY
PIN 2	GROUND
PIN 3	OUTPUT
PIN 4	SUPPLY VOLTAGE

Tape & Reel Dimensions



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