

MWC Series – 2.0 x 1.6 Oscillator Specification



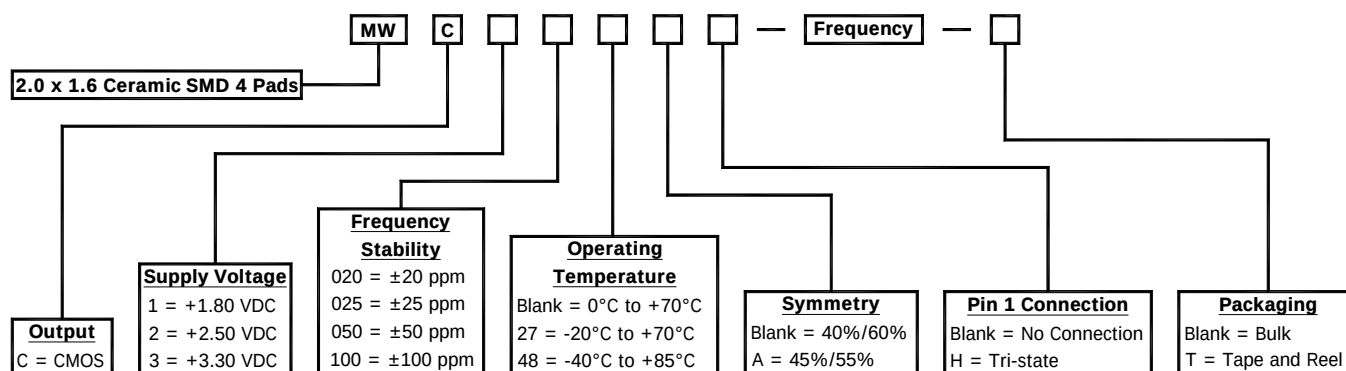
- **2.0 X 1.6 SMT Package**
- **CMOS Output**
- **Tri-state Option**
- **Tape and Reel Packaging Available**



ELECTRICAL SPECIFICATION:

Frequency Range	1.000MHZ to 80.000MHZ		
Temperature Stability (Inslusive of Temperature, Load, Voltage, and Aging)	(See part Number Guide for Options)		
Operating Temperature Range	(See part Number Guide for Options)		
Storage Temperature Range	-40°C to +85°C		
Supply Voltage (V _{DD}) ±10%	+1.80 VDC	+2.50 VDC	+3.30 VDC
Supply Current	4 mA max	4 mA max	4 mA max
Output	CMOS		
Logic "0"	Less than 10% of Supply Voltage		
Logic "1"	Greater than 90% Supply Voltage		
Symmetry (50% of waveform)	(See part Number Guide for Options)		
Rise and Fall Time (20% to 80% of waveform)	6 nSec		
Load	15pF		
Start Up Time	10 msec		
Tri-state Operation	Voh = 70% of Vdd min or No Connection to Enable Output Vol = 30% of Vdd max or grounded to Disable Output (High Impedance)		

PART NUMBER GUIDE:



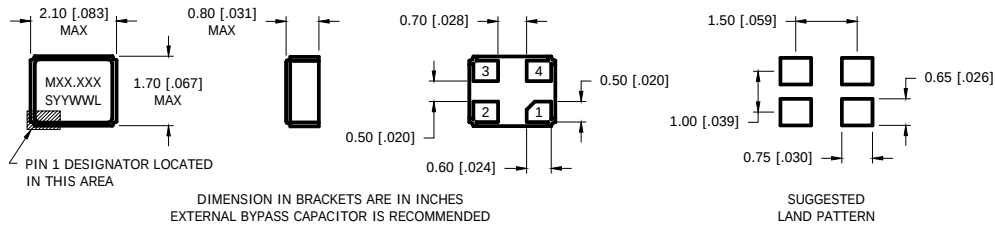
Please Consult with MMD Sales Department for any other Parameters or Options

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001:2008

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

Pb **RoHS**
Free Compliant

MECHANICAL DIMENSIONS:



PIN CONNECTIONS	
PIN 1	TRI-STATE OR NO CONNECTION
PIN 2	OUTPUT
PIN 3	CASE GROUND
PIN 4	SUPPLY VOLTAGE

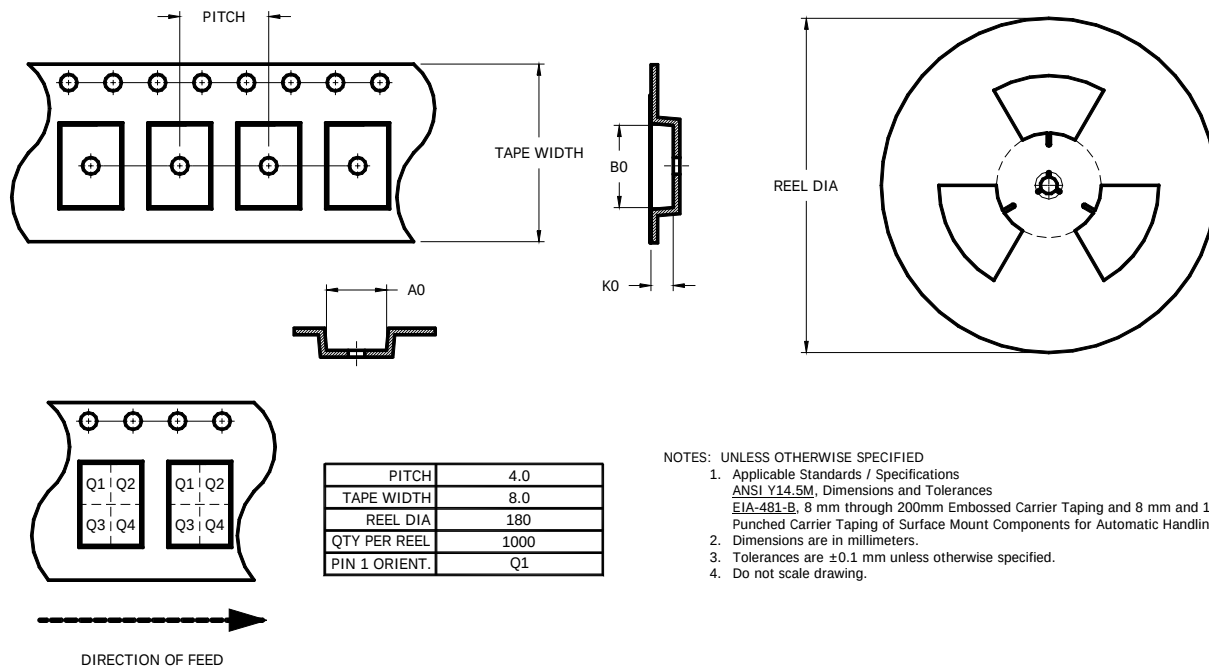
ENVIRONMENTAL / MECHANICAL SPECIFICATION:

Shock	MIL-STD-883, Meth 2002, Cond B
Solderability	MIL-STD-883, Meth 2003
Vibration	MIL-STD-883, Meth 2007, Cond A
Gross Leak Test	MIL-STD-883, Meth 1014, Cond C
Fine Leak Test	MIL-STD-883, Meth 1014, Cond A
Reflow Solder	+260°C for 10 sec max

MARKING DETAIL:

Line 1 = MXX.XXX
M = MMD COMPONENTS
XX.XXX = Frequency in MHZ
Line 2 = SYYWWL
S = Internal Code
YYWW = 4 Digit Date Code (Year / Week)
L = Denotes RoHS Compliant
Pin 1 Designator

TAPE AND REEL DIMENSIONS:



NOTES: UNLESS OTHERWISE SPECIFIED

- Applicable Standards / Specifications
ANSI Y14.5M, Dimensions and Tolerances
EIA-481-B, 8 mm through 200mm Embossed Carrier Taping and 8 mm and 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling.
- Dimensions are in millimeters.
- Tolerances are ± 0.1 mm unless otherwise specified.
- Do not scale drawing.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[MWC305027AH-27.000MHZ-T](#) [MWC102027AH-6.000MHZ-T](#) [MWC205048AH-30.000MHZ-T](#) [MWC302027AH-36.000MHZ-T](#) [MWC302027AH-12.000MHZ-T](#) [MWC105048AH-44.000MHZ-T](#) [MWC205027AH-44.000MHZ-T](#) [MWC305027AH-30.000MHZ-T](#) [MWC105048AH-6.000MHZ-T](#) [MWC302527AH-37.200MHZ-T](#) [MWC102527AH-3.000MHZ-T](#) [MWC202027AH-52.000MHZ-T](#) [MWC205048AH-29.4912MHZ-T](#) [MWC302527AH-26.000MHZ-T](#) [MWC305048AH-32.000MHZ-T](#) [MWC202027AH-37.200MHZ-T](#) [MWC105048AH-27.000MHZ-T](#) [MWC105027AH-16.000MHZ-T](#) [MWC202527AH-48.000MHZ-T](#) [MWC202527AH-52.000MHZ-T](#) [MWC305048AH-36.000MHZ-T](#) [MWC205048AH-25.000MHZ-T](#) [MWC302527AH-4.000MHZ-T](#) [MWC202527AH-12.000MHZ-T](#) [MWC102527AH-3.6864MHZ-T](#) [MWC202027AH-3.000MHZ-T](#) [MWC302527AH-22.000MHZ-T](#) [MWC302027AH-20.000MHZ-T](#) [MWC102527AH-37.200MHZ-T](#) [MWC302527AH-24.000MHZ-T](#) [MWC205027AH-3.000MHZ-T](#) [MWC305027AH-13.500MHZ-T](#) [MWC202527AH-50.000MHZ-T](#) [MWC202527AH-22.000MHZ-T](#) [MWC305027AH-36.000MHZ-T](#) [MWC305048AH-20.000MHZ-T](#) [MWC105027AH-13.500MHZ-T](#) [MWC305027AH-38.400MHZ-T](#) [MWC305048AH-37.400MHZ-T](#) [MWC302027AH-48.000MHZ-T](#) [MWC205048AH-27.000MHZ-T](#) [MWC205027AH-32.000MHZ-T](#) [MWC205027AH-8.000MHZ-T](#) [MWC205048AH-6.000MHZ-T](#) [MWC105027AH-38.400MHZ-T](#) [MWC202527AH-36.000MHZ-T](#) [MWC305048AH-8.000MHZ-T](#) [MWC105027AH-52.000MHZ-T](#) [MWC302027AH-50.000MHZ-T](#) [MWC105027AH-18.000MHZ-T](#) [MWC102027AH-8.000MHZ-T](#) [MWC205048AH-3.6864MHZ-T](#) [MWC305027AH-37.200MHZ-T](#) [MWC302527AH-15.000MHZ-T](#) [MWC102027AH-24.000MHZ-T](#) [MWC105048AH-52.000MHZ-T](#) [MWC202527AH-14.7456MHZ-T](#) [MWC105048AH-11.000MHZ-T](#) [MWC202027AH-12.500MHZ-T](#) [MWC205027AH-64.000MHZ-T](#) [MWC205027AH-22.000MHZ-T](#) [MWC205027AH-3.125MHZ-T](#) [MWC305048AH-25.000MHZ-T](#) [MWC305027AH-14.7456MHZ-T](#) [MWC205048AH-11.000MHZ-T](#) [MWC102027AH-26.000MHZ-T](#) [MWC302527AH-18.000MHZ-T](#) [MWC305027AH-22.000MHZ-T](#) [MWC302027AH-37.400MHZ-T](#) [MWC102027AH-48.000MHZ-T](#) [MWC305048AH-3.6864MHZ-T](#) [MWC102027AH-3.6864MHZ-T](#) [MWC105027AH-8.000MHZ-T](#) [MWC205027AH-24.000MHZ-T](#) [MWC302527AH-5.000MHZ-T](#) [MWC302527AH-16.000MHZ-T](#) [MWC105048AH-36.000MHZ-T](#) [MWC302527AH-52.000MHZ-T](#) [MWC202527AH-15.000MHZ-T](#) [MWC105027AH-29.4912MHZ-T](#) [MWC205048AH-40.000MHZ-T](#) [MWC102527AH-44.000MHZ-T](#) [MWC102027AH-30.000MHZ-T](#) [MWC105027AH-40.000MHZ-T](#) [MWC305048AH-44.000MHZ-T](#) [MWC105048AH-15.000MHZ-T](#) [MWC102027AH-12.000MHZ-T](#) [MWC305048AH-24.000MHZ-T](#) [MWC102027AH-36.000MHZ-T](#) [MWC105048AH-3.000MHZ-T](#) [MWC205027AH-3.6864MHZ-T](#) [MWC302527AH-32.000MHZ-T](#) [MWC305027AH-25.000MHZ-T](#) [MWC202027AH-26.000MHZ-T](#) [MWC205048AH-19.200MHZ-T](#) [MWC102527AH-20.000MHZ-T](#) [MWC302527AH-14.7456MHZ-T](#) [MWC205027AH-30.000MHZ-T](#) [MWC202527AH-3.6864MHZ-T](#) [MWC205027AH-38.400MHZ-T](#)