## **MUV Series 5X3.2 Ceramic SMD Oscillator**



- 0 5 x 3.2 SMD Package 6 Pin
- o LVDS Output
- o Tristate Option
- o Tape & Reel Packaging Available



Frequency Range 74.250MHZ to 16		56.00MHZ
Temperature Stability (Inclusive of Temperature, Load, Voltage, and Aging)	(See Part Number Guide for Options)	
Operating Temperature Range	(See Part Number Guide for Options)	
Storage Temperature Range	-55°C to +125°C	
Supply Voltage (V <sub>dd</sub> ) ±5%	+2.50 VDC	+3.30 VDC
Supply Current	63mA max	65mA max
Output	LVDS	
Differential Output Voltage	+350mV typ.	
Offset Voltage	+1.250 V, +1.375V max	
Differential Output Error	50 mV max	
Offset Error	150 mV max	
Output Swing	250 mV min	
Symmetry (50% of waveform)	(See Part Number Guide for Options)	
Load 100Ω Between Output and Complementar		omplementary Output
Rise/Fall Time (20% to 80%)	300pSec, 700pSec max	
RMS Phase Jitter (12kHZ to 20MHZ)	1pSec max	
Phase Noise		
10 Hz	-95dBc/H	lz
1 KHz	-125dBc/l	Hz
10 KHz	-143dBc/l	Hz
100 KHz	-146dBc/l	Hz
Start-up Time	10mSec max	
Tri-state Operation	Voh = 70% of Vdd min or No Col Vol = 30% max or grounded to Disa	nnection to Enable Output ble Output (High Impedance)
Standby Current	30µA ma	X

### **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

#### QUALITY SYSTEM CERTIFIED = ISO 9001 =

Marking Detail		
_	-	
Line 1 = MXXXXX		
М	=	MMD
XXXXX	=	Frequency in MHZ
Line 2 = SYYWWL		
S	=	Internal Code
YYWW	=	4 Digit Date Code (Year / Week)
L	=	Denotes RoHS Compliant
Line 3 = XXXXX		
Internal use only		
May vary with lots		

# Black dot to denote Pin 1



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### Part Number Guide



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

### **Mechanical Details**





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