

Programmable TCXO

- * CMOS Output
- * Fast Delivery

Applications

- * Communications
- * Routers
- * Switches
- * WAN Interfaces
- * Aerospace
- * Military/Space

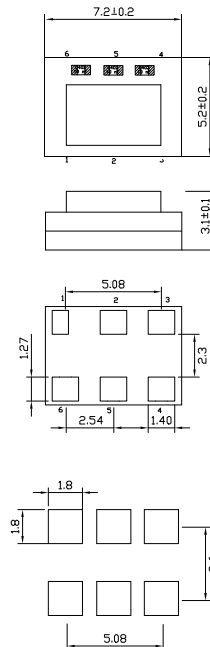


Part Numbering Example: CTWN5M - XX.XXXX M

CTW	N	5	M	22.5792M	
SERIES	VOLTAGE	OPERATING TEMP.	STABILITY	GRADE	FREQUENCY
CTW	Blank = 3.3V	I=-30°C ~ +75°C N=-40°C ~ +85°C	5 = ±5.0 ppm 6 = ±3.0 ppm 7 = ±2.0 ppm 8 = ±1.0 ppm	I =Industrial Std M=MIL-STD-883B	1.5 ~200.000 MHz

Specifications	Min	Typ	Max	Unit
Frequency Range:	1.5		200	MHz
Stability:				ppm
Supply Voltage:				V
Vdd Rise Time:	100			μS
Operating Temperature:				°C
Storage Temperature:	-55		125	°C
Duty Cycle:	45		55	%
Start-Up Time:		2		mS
Aging: (ppm/1st Year)			1	ppm
Supply Current:			35	mA
Short Circuit Current:		± 50		mA
RMS Period Jitter:		10		pS
RMS Integrated Jitter: 12kHz to 20MHz		15		pS
Phase Noise @ 10kHz:			-120	dBc/Hz
Output Voltage: Voh Vol	vdd-0.4		0.4	V
e: CL = 15 pf			2	μS

Dimensions are in mm



Pin Function
 1 Control -Tristate with pull up
 2 Do Not connect
 3 Ground
 4 Output
 5 Do Not Connect
 6 Vdd

Environmental And Mechanical	
Mechanical Shock	Per MIL-STD-883 ,Method 2002 ,Cond.B
Thermal Shock	Per MIL-STD-883 ,Method 1011 ,Cond.A
Vibration	Per MIL-STD-883 ,Method 2007 ,Cond.A
Seal	Per MIL-STD-883, Method 1014, Condition B & C
Solderability	Per MIL-STD-883 ,Method 2003 ,Cond.A