Series **CTAW**

Ceramic Surface Mount TCXO

* CMOS/TTL Output
* Copped Sinewave Output
* Fast Delivery

Applications

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

RoHS COMPLIANT 2002 / 95 / EC

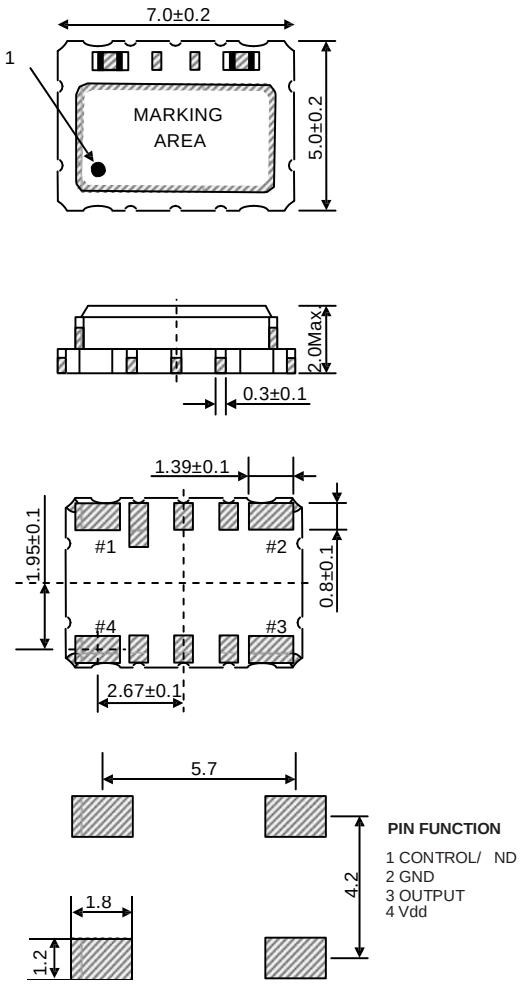
Part Numbering Example: CTAWCN5M - XX.XXXX M

CTAW		C	N	5	M	22.5792M
SERIES	VOLTAGE	OUTPUT	OPERATING TEMP.	STABILITY	GRADE	FREQUENCY
	Blank = 5.0V I = 3.3V	T = TTL C = CMOS S = Cipped Sine	I =-30°C +75°C N =-40°C +85°C L = -55 °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 B=MILPFR-55310D	10 ~40.000 MHz

Specifications	Min	Typ	Max	Unit
Frequency Range:	10		40	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:			-100	dBc/Hz
Output Voltage: Voh Vo		 4.5 0.5		V
e: CL = 15 pf			2	µS

Tristate internal pull up. Output active when high.

Dimensions are in mm



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