



# TCXOs, VCTCXOs

## TT~VT1000TC Series TCXO/VCTCXO

### Features:

- ◆ Higher Frequencies Available
- ◆ Low Stabilities
- ◆ Metal Can
- ◆ Clip Sine and HCMOS available

RoHS Complaint Optional

Parameter		Clipped Sine	HCMOS
Frequency Range		9.600MHz ~70.000MHz	
Operating Temperature Range		See Table	
	vs. Temperature	See Table	
Frequency Stability	vs. Voltage ( $\pm 5\%$ )	$\pm 0.3$ ppm max.	
	vs. Aging	$\pm 1.0$ ppm/ Year	
	vs. Load ( $\pm 10\%$ )	$\pm 0.3$ ppm max.	
Supply Voltage		+3.3 // +5V $\pm 5\%$	+3.3 // +5V $\pm 5\%$
Current	9.6000 to 27.00MHz	2mA Max.// 3mA max.	20mA Max.// 25mA max.
Consumption	27.001 to 70.00MHz	3mA Max.// 4mA max.	35mA Max.// 40mA max.
Output Voltage Logic High (VOH)		0.8V p-p Min. (3.3V)	90% of V <sub>CC</sub>
	(VOL)	1.0V p-p Min. (5.0V)	10% of V <sub>CC</sub>
Load		10K ohm / 10 pF	15 pF
Rise/ Fall Time		4ns max.// 5ns. max	
Duty Cycle		50 $\pm 10\%$	
Frequency Adjustment Trimmer		$\pm 3.0$ ppm Min.	
Frequency Deviation (VCTCXO only)		$\pm 5$ ppm to $\pm 11.5$ ppm over control voltage	
Control Voltage (VCTCXO only)		1.65V $\pm 1.65$ V // 2.5V $\pm 2.0$ V	

Temperature	Stability (ppm)
0 to 55°C	$\pm 1.0, \pm 1.5, \pm 2.0, \pm 2.5$ to $\pm 5.0$
-10 to 60°C	$\pm 1.0, \pm 1.5, \pm 2.0, \pm 2.5$ to $\pm 5.0$
-20 to 70°C	$\pm 1.5, \pm 2.0, \pm 2.5$ to $\pm 5.0$
-30 to 85°C	$\pm 1.5, \pm 2.0, \pm 2.5$ to $\pm 5.0$
-40 to 85°C	$\pm 1.5, \pm 2.0, \pm 2.5$ to $\pm 5.0$

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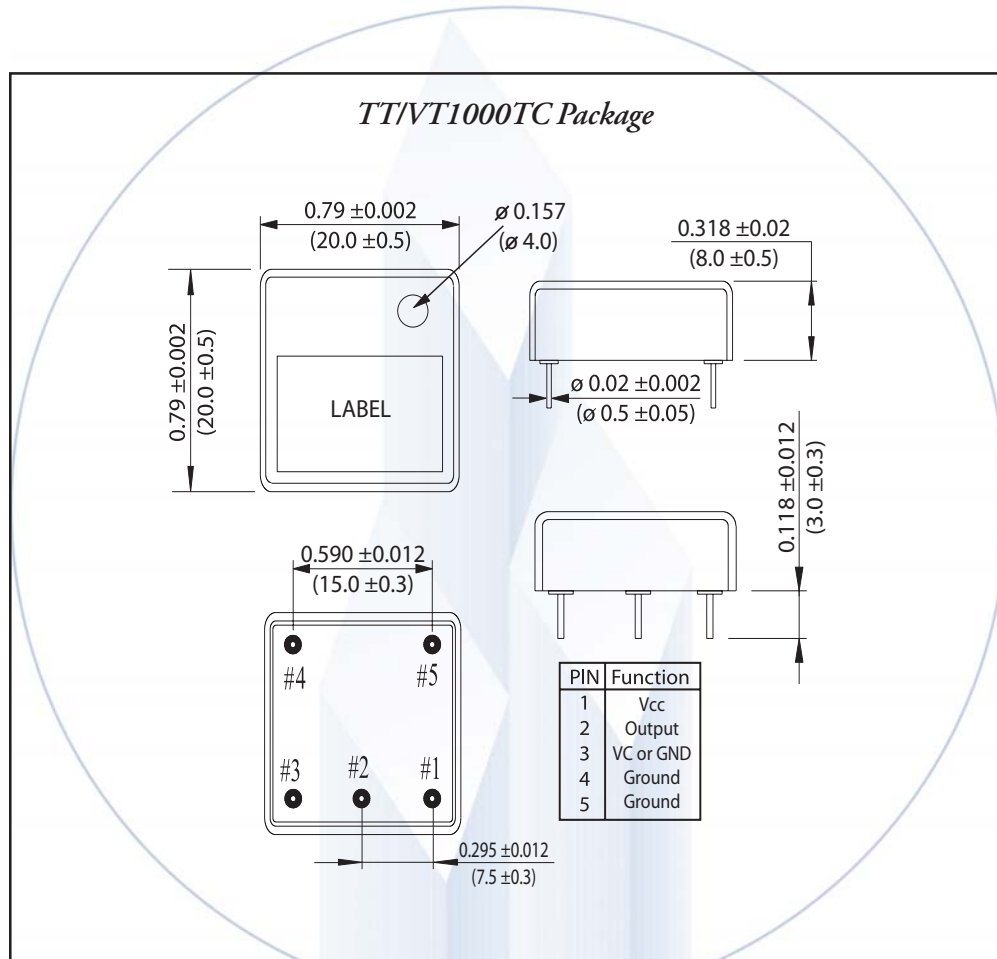
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