

DIFFERENTIAL OUTPUT 14 PIN PECL VCXO

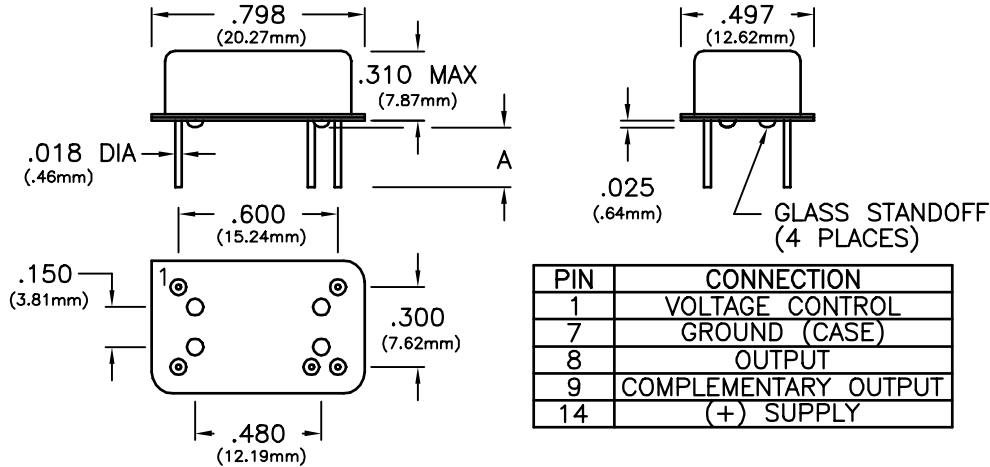
SPECIFICATIONS	PV54I-90	PV54I-90C6
Frequency Range (Fo)	155.52MHz	
Frequency Stability (2.5Vdc Pin 1)		
Vs Temperature	±10ppm Typical	
Vs Calibration @ 25°C	±5ppm Typical	
Vs Aging (10yrs)	±5ppm	
Total	±20ppm Maximum (Reference to Fo @ 2.5Vdc pin 1)	
Temperature Range	0°C to +70°C	
Waveform	PECL Squarewave	
Load	50 Ohms terminated into Vcc-2V or Thevenin equivalent	
Voltage Voh	3.96 Minimum	
Vol	3.40 Maximum	
Duty Cycle	45/55 Maximum (Both outputs)	
Rise/Fall Time	1.5nS Typical, 2.0nS Maximum	
RMS Jitter	1.0ps RMS Maximum over 12KHz to 20MHz bandwidth 5.0ps RMS Maximum over 10Hz to 20MHz bandwidth	
SSB Phase Noise (typical)	-80dBc/Hz @ 100Hz , -130dBc/Hz @ 10KHz	
Frequency Control		
Pullability @25°C (Referenced to 2.5V freq.)	±45ppm Minimum ±90ppm Maximum	
Absolute Pull Range (APR)	±25ppm Minimum	
Transfer Function	Positive	
Control Voltage	0.5 to +4.5Vdc	
Linearity	±10% Maximum	
Freq Modulation Bandwidth	≥ 10KHz (3dB cutoff)	
Supply Voltage	+5Vdc ±5%	
Supply Current	80mA Maximum	
Package	All metal, hermetically sealed, welded package	
Lead Length (A)	0.25"±.02"	.110"±.01"

ORDERING INFORMATION

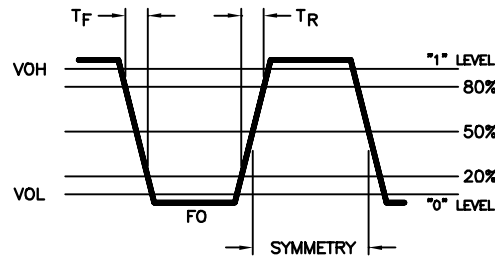
PV54I-90 - 155.52 MHz

PV54I-90C6 - 155.52 MHz

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OUTPUT WAVEFORM



TEST CIRCUIT

