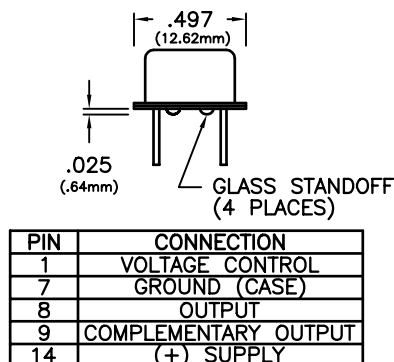
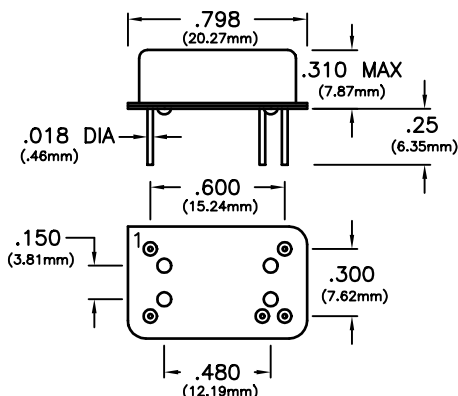


DIFFERENTIAL OUTPUT 14 PIN PECL VCXO

SPECIFICATIONS	PV54I-150
Center Frequency (Fo)	30MHz to 156.25MHz
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
Output	
Waveform	PECL Squarewave
Load	50 Ohms Terminated into Vcc-2V
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 Maximum over 12KHz to 20MHz bandwidth
SSB Phase Noise (Typical)	-80dBc/Hz @ 100Hz , -130dBc/Hz @ 10KHz
Frequency Control	
Pullability @25°C (Referenced to 2.5V freq.)	±75ppm Minimum
Absolute Pull Range	Guaranteed absolute pull range ±50ppm from Fo
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



ORDERING INFORMATION

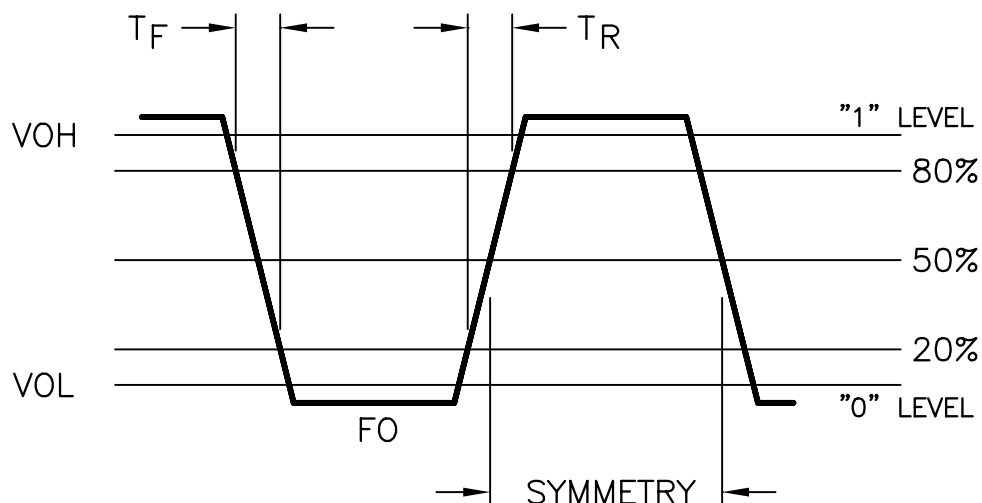
PV54I-150 - 150 MHz

VCXO
SERIES

CENTER
FREQUENCY

DIFFERENTIAL OUTPUT 14 PIN PECL VCXO

OUTPUT WAVEFORM



TEST CIRCUIT

