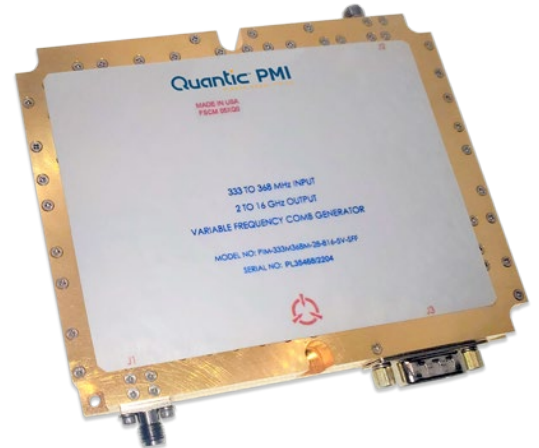
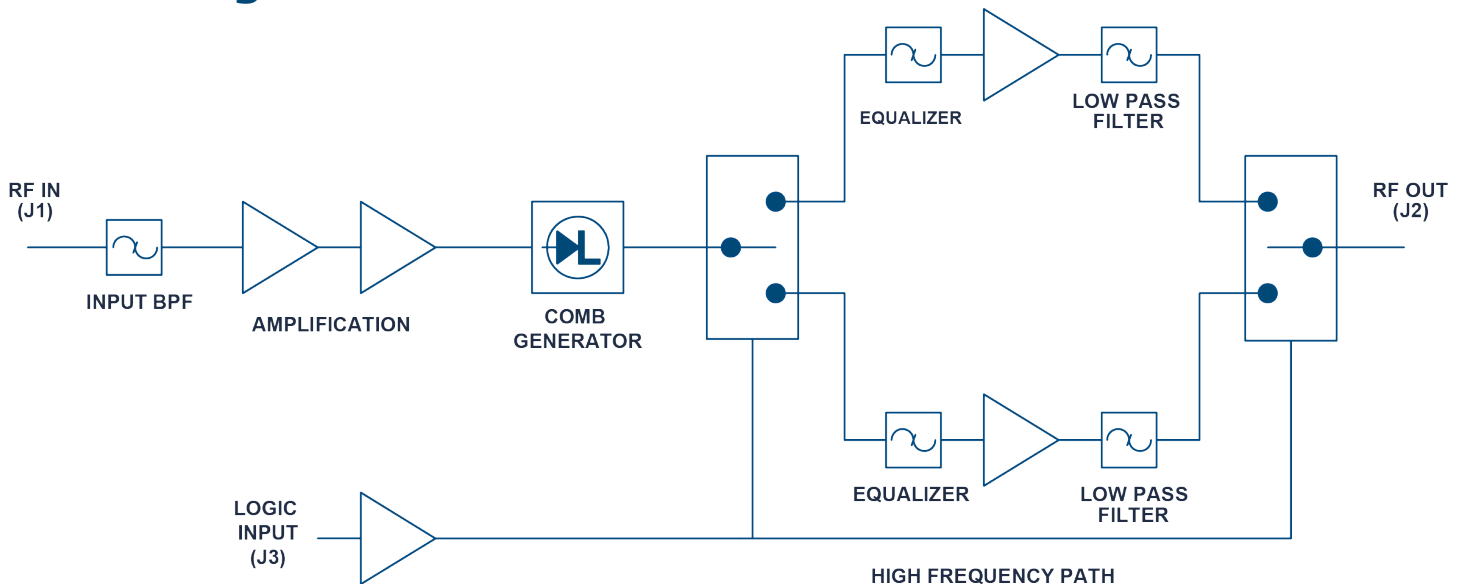


PIM-333M368M-28-816-5V-SFF Variable Frequency Comb Generator

Quantic PMI Model PIM-333M368M-28-816-5V-SFF is a Variable Frequency Comb Generator for selectable LO applications that operates over the frequency range of 333 to 368 MHz and has an input/output VSWR of 1.8:1; a power supply of $+5 \pm 0.2$ VDC; and is outfitted with SMA female connectors and a 9-pin D-Sub male connector in a housing measuring 4.50" x 3.50" x 0.75".

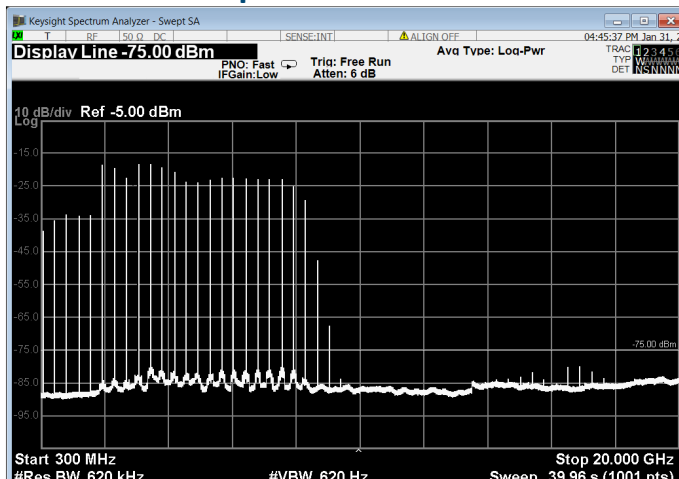


Block Diagram

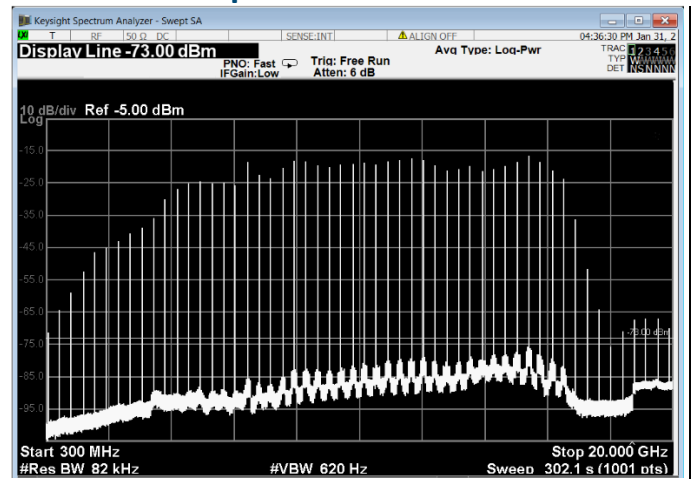


Performance

Comb Outputs 2 – 8 GHz Channel



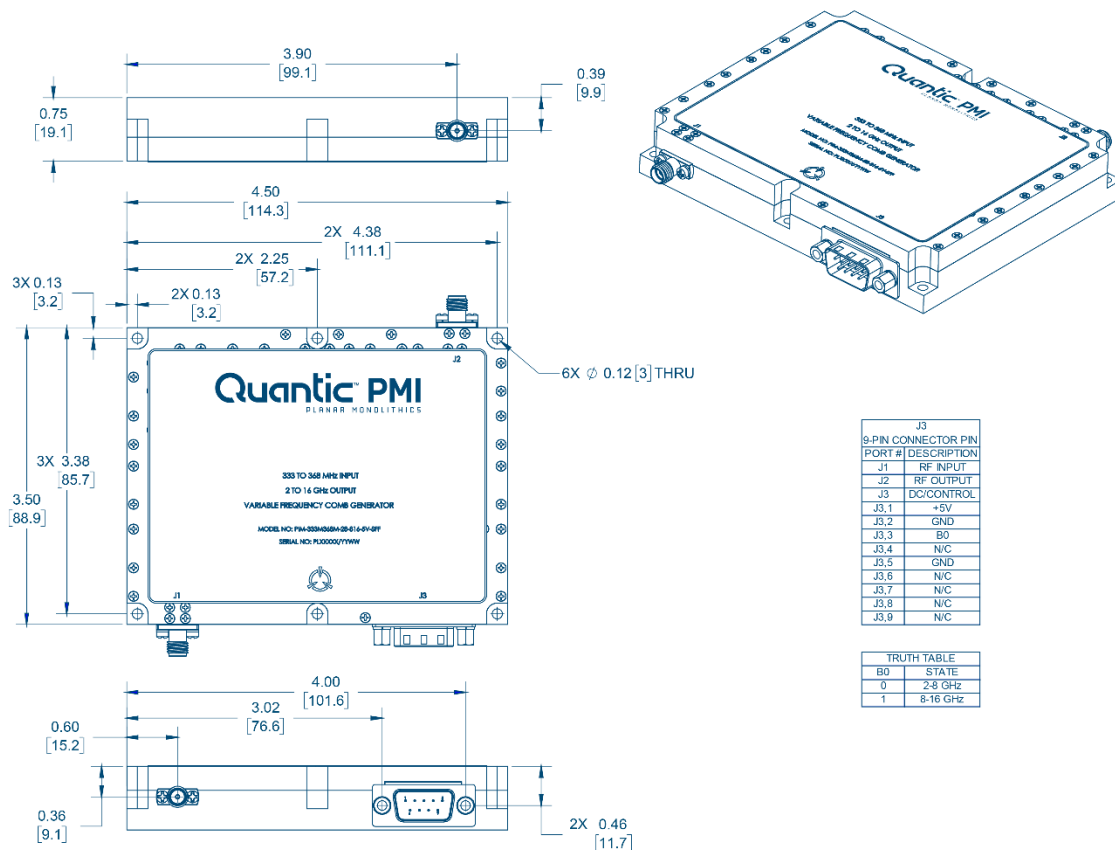
Comb Outputs 8 – 16 GHz Channel



Specifications

Input Frequency Range:	333 to 368 MHz
Input VSWR:	1.8:1 Max
Input Tone Range Power Level:	-17 dBm $\pm$ 3 dB
Input Tone Spurious Rejection:	-55 dBc Min @ 132 to 167 MHz -55 dBc @ 500 MHz to 1.3 GHz
Low Frequency Path Output Frequencies:	2 to 8 GHz
High Frequency Path Output Frequencies:	8 to 16 GHz
Output Tone Power Levels:	-20 dBm $\pm$ 5 dB over 2-8 GHz -19 dBm $\pm$ 4 dB over 8-16 GHz
Output VSWR:	1.8:1 Max
Non-Harmonic Output Suppression:	-50 dBc OVER 2-8 GHz or 8-16 GHz
High Frequency Comb Line Rejection:	8-16 GHz (J2): -30 dBc @ 18.26-20 GHz 2-8 GHz (J2): -30 dBc @ 9.35-12 GHz 2-8 GHz (J2): -50 dBc @ 12-18.2 GHz
Switch Control:	LVTTL
Power Supply:	+5 VDC $\pm$ 0.2 VDC
RF Connectors:	J1, J2 SMA Female
Power / Control Connector:	3: 9-PIN D-SUB Male Connector
Environmental Ratings:	
Temperature:	Operating: +10 °C to +35 °C Non-Operating: 0 °C to +35 °C
Random Vibration:	3 G rms
Vibration:	MIL-STD-810H, Method 515.5 Procedure 1, Figure 515.5A-1, 85 dBA (Acoustic Noise Peak is specified to be to be below 1 kHz and at least 50% minimum of the acoustic noise is below 1 kHz)
Altitude, Normal Operation:	Sea Level tp 5000 m (557 $\pm$ 3 mb)
Acceleration:	0.5 G around ang axis
Humidity:	Up to 95% Humidity

Physical Dimensions



Dimensions = inches [mm]

More Information: <https://www.pmi-rf.com/product-details/pim-333m368m-28-816-5v-sff>