

DESCRIPTION

PMI MODEL LM-6D7G7D9G-30W-SFF-OPT812 IS A RF LIMITER THAT OPERATES IN THE 8.0 TO 12.0 GHZ FREQUENCY RANGE. THIS MODEL HAS A LOW INSERTION LOSS OF 1.8DB MAXIMUM AND A RECOVERY TIME OF 100 NSEC MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE:.....8.0 to 12.0 GHz
- INSERTION LOSS:.....1.8 dB MAXIMUM
- INPUT/OUTPUT VSWR:.....1.8:1 MAXIMUM
- IMPEDANCE:.....50 OHMS
- POWER HANDLING:.....50 WATTS MINIMUM
- AVERAGE POWER HANDLING:.....20 WATTS MINIMUM
- LIMITING OUTPUT:.....7 dBm TYPICAL, 15 dBm MAXIMUM
- SATURATION RECOVERY TIME:.....100 ns MAXIMUM
- UNIT TO UNIT PHASE MATCHING PER LOT: +/− 5 DEGREES
- FINISH:.....GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE:.....−40°C TO +85°C (OPERATING)
- SHOCK:.....20G, 11msec
- VIBRATION:.....8.25G rms, 20–2000Hz (Operating)
16.5G rms, 20–2000Hz (Non-Operating)
- TEMPERATURE CYCLE:.....MIL-STD-202F, METHOD 107

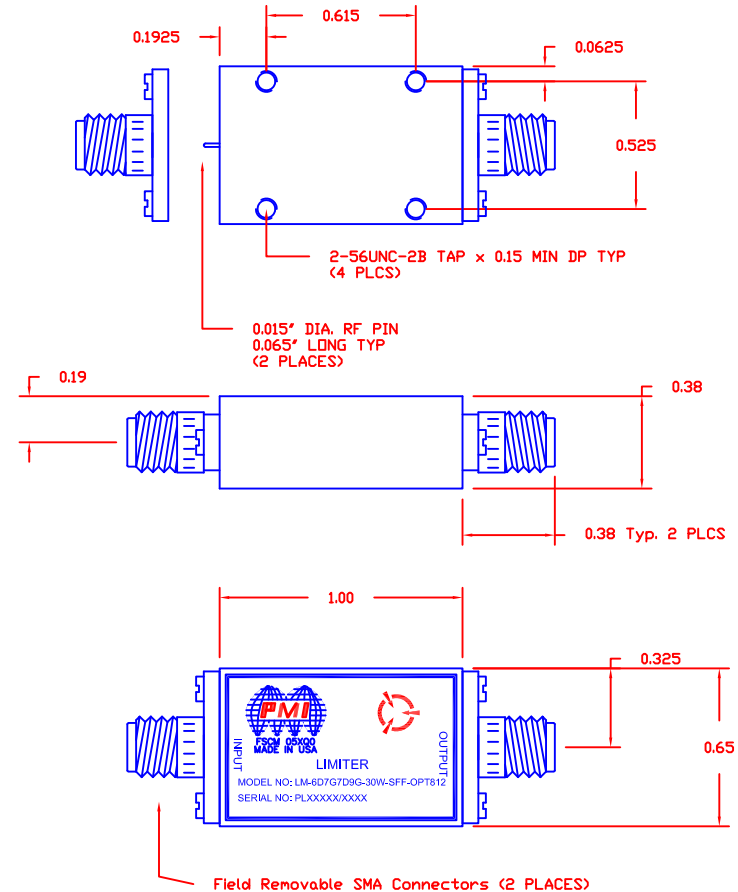
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	9/8/16	

MECHANICAL OUTLINE



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APPROVALS		DATE		TITLE	
DRAWN	EMF	9/8/16		OUTLINE DRAWING LM-6D7G7D9G-30W-SFF-OPT812	
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N: S
				SHEET	1 OF 1