

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-161605-10W1-HPR IS A HIGH POWER LIMITER THAT WORKS FROM 16 GHz TO 16.5 GHz THAT HANDLES 40 WATTS PEAK POWER WITH A PULSE WIDTH OF 15 us.

SPECIFICATIONS:

- FREQUENCY: 16.0 TO 16.5 GHz
- INSERTION LOSS: 1.5 dB MAXIMUM
- VSWR: (IN/OUT) 17dB TYP
- RF INPUT POWER: 160W Peak, 40W Average
- PULSE WIDTH: 15 us
- DUTY CYCLE: 25%
- RF LEAKAGE: 13 dBm MAXIMUM
- LIMITING THRESHOLD: +5 dBm TYPICAL
- RECOVERY TIME: 1 us
- CONNECTORS: SMA FEMALE (INPUT AND OUTPUT)
- SIZE: 1.00" X 1.00" X 0.400"
- WEIGHT: 1.5 OZ
- FINISH: GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

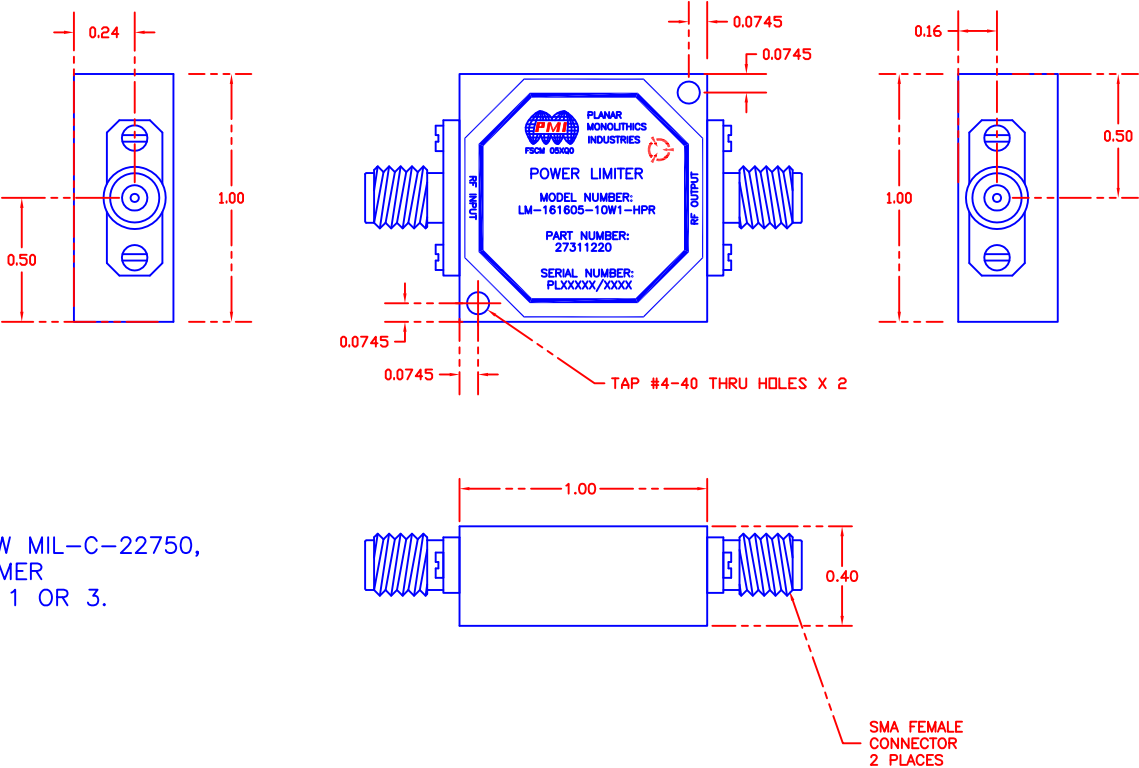
ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204B COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/28/09	
	B1	Updated Mechanical Layout	12/16/09	
	C1	Updated Specs	11/4/11	
	C2	ECN # 14-0186	11/19/14	



M/N = MANUFACTURER PART NUMBER
O/N = OPTION NUMBER
S/N = SERIAL NUMBER

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE		SIZE		FSCM NO.		DWG NO.		REV.	
DRAWN		12/16/09		PRODUCT FEATURE		A		05XQ0		27011224		C2	
CHECKED				LM-161605-10W1-HPR									
ISSUED				16 - 16.5 HIGH POWER LIMITER									
				SCALE N:S						SHEET 1 OF 1			