

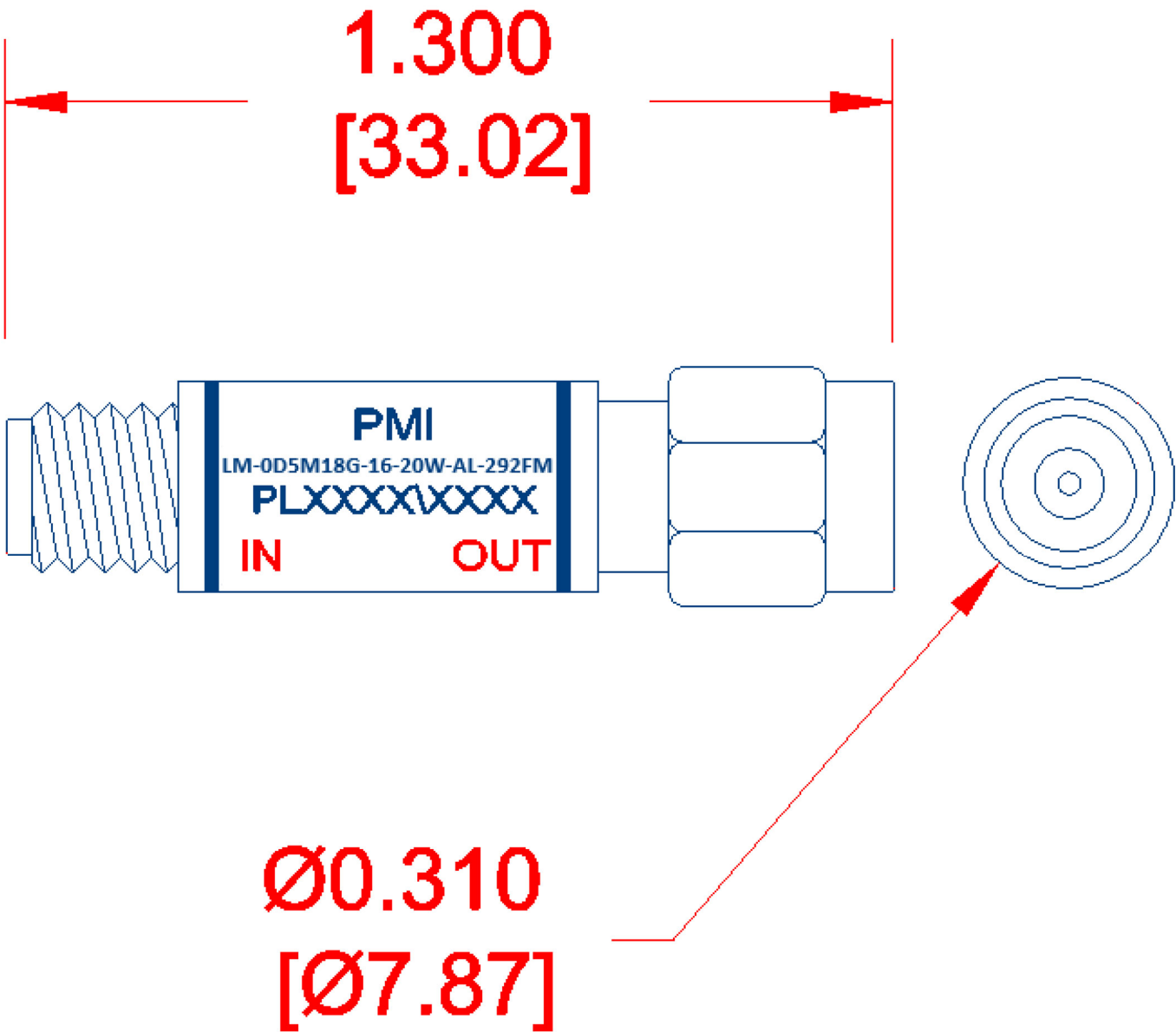
DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL LM-0D5M18G-16-20W-AL-292FM IS A HIGH POWER LIMITER THAT WORKS FROM 0.5 MHz TO 18 GHz.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	03/19/25	
	1	UPDATED LEAKAGE	04/03/25	

SPECIFICATIONS:

- FREQUENCY: 0.5 MHz TO 18 GHz
- RF POWER HANDLING: 20 W CW MAX @ -55 TO +85 DEG C
1 kW PEAK MAX @ 1 us PULSE WIDTH, 1% DUTY CYCLE
100 W PEAK @ 10 us PULSE WIDTH, 10% DUTY CYCLE
- INSERTION LOSS: 2.0 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME: 500 ns MAX @ 1 kW PEAK POWER
- LEAKAGE POWER: +15 dBm MAX @ 20 W CW
+15.5 dBm MAX @ 1 kW, 1 us PW, 1% DUTY CYCLE, 2.4 GHz
- IMPEDANCE: 50 OHM
- VSWR: 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: +5 dBm MIN (1 dB COMPRESSION)
- CONNECTORS: 2.92 mm FEMALE INPUT AND 2.92 mm MALE OUTPUT
- FINISH ALBALOY PLATED



ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)
- VIBRATION: 0.1 INCHPP OR +/- 10G, 5 ~ 500 Hz
(FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: 20 G, 11 +/- 1 ms
- HUMIDITY: 100%
- ALTITUDE: 70,000 FT.

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± XXX ± 0.005 ±		7309-A GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-662-5019, FAX: (301)-662-1731 WEB: www.quanticpmi.com EMAIL: sales@quanticpmi.com ISO 9001 CERTIFIED		Quantic PMI PLANAR MONOLITHICS		
MATERIAL	APPROVALS	DATE	TITLE PRODUCT FEATURE LM-0D5M18G-16-20W-AL-292FM			
FINISH	DRAWN	03/19/25				
DO NOT SCALE DRAWING	REDRAWN		SIZE	FSCM NO.	DWG NO.	REV.
	ISSUED		A	05XQ0	PRELIMINARY	1
			SCALE	N:S		SHEET 1 OF 1