

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL LM-9K18G-16-20W-RAD-FM IS A HIGH POWER LIMITER THAT WORKS FROM 9 kHz TO 18 GHz.

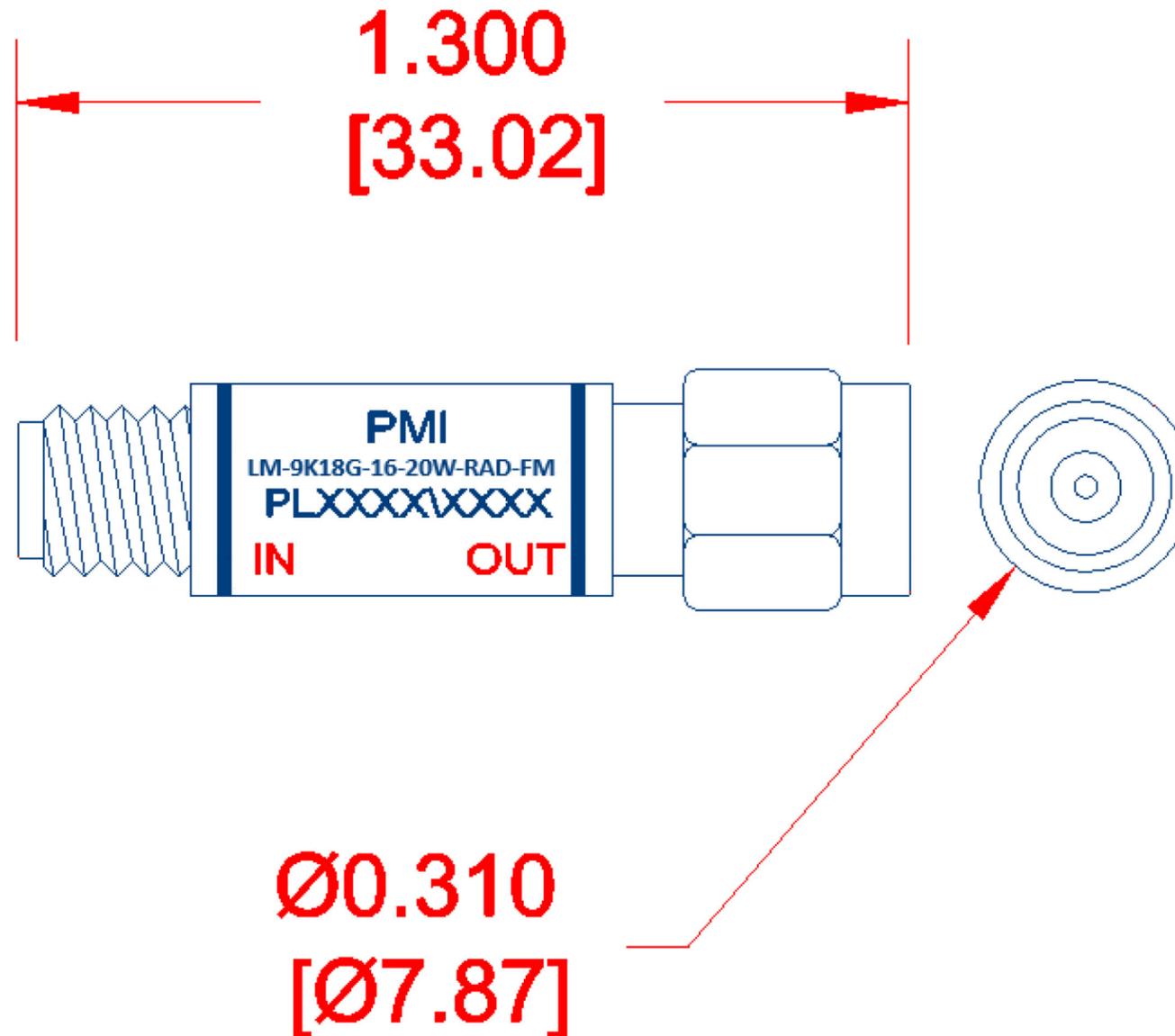
SPECIFICATIONS:

- FREQUENCY: 9 kHz TO 18 GHz
- RF POWER HANDLING: 20 W CW MAX
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.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	04/08/25	



PMI CONFIDENTIAL AND PROPRIETARY

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UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 FRACTIONS: TOLERANCES ARE: ANGLES
 ± .XX ± 0.010 ±
 XXX ± 0.005 ±

MATERIAL	APPROVALS	DATE
FINISH	DRAWN ASG	4/8/25
DO NOT SCALE DRAWING	REDRAWN	ISSUED

TITLE PRODUCT FEATURE LM-9K18G-16-20W-RAD-FM			
SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
SCALE: N:S		SHEET: 1 OF 1	