

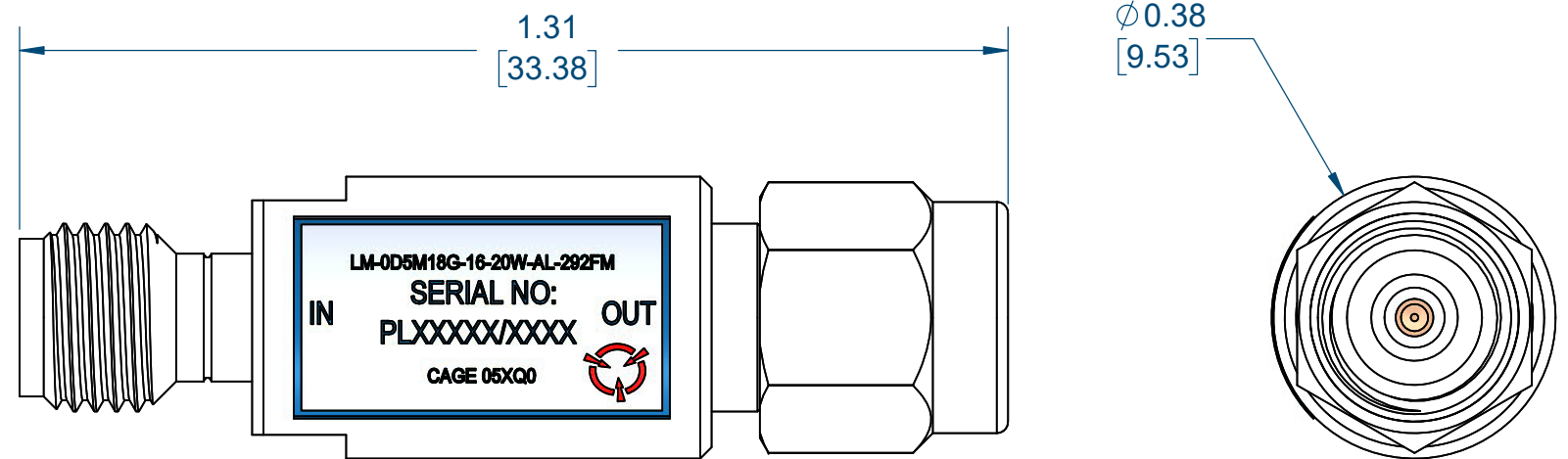
DESCRIPTION:

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/28/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.5 MHz TO 18.0 GHz
- RF POWER HANDLING:..... 20 W CW MAX
1 kW PEAK MAX (1 μs PULSE WIDTH, 1% DUTY CYCLE)
100 W PEAK MAX (10 μs PULSE WIDTH, 10% DUTY CYCLE)
- INSERTION LOSS:..... 2.0 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME (3 dB):..... 500 ns MAX @ 1 kW PEAK POWER
- LEAKAGE POWER:..... +17 dBm MAX
- IMPEDANCE:..... 50Ω
- VSWR:..... 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD:..... +5 dBm MIN (1 dB COMPRESSION)
- CONNECTORS:..... 2.92mm FEMALE INPUT
2.92mm 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:..... 20g, 11 ± 1 ms
- HUMIDITY:..... 100%
- ALTITUDE:..... 70,000 FT

PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS DATE		TITLE OUTLINE LM-0D5M18G-16-20W-AL-292FM	
		DRAWN M.LAULIS	10/28/2025		
ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27053640	REV. A1
SCALE 2:1			SHEET 1 OF 1		

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PLANAR MONOLITHICS

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