

DESCRIPTION

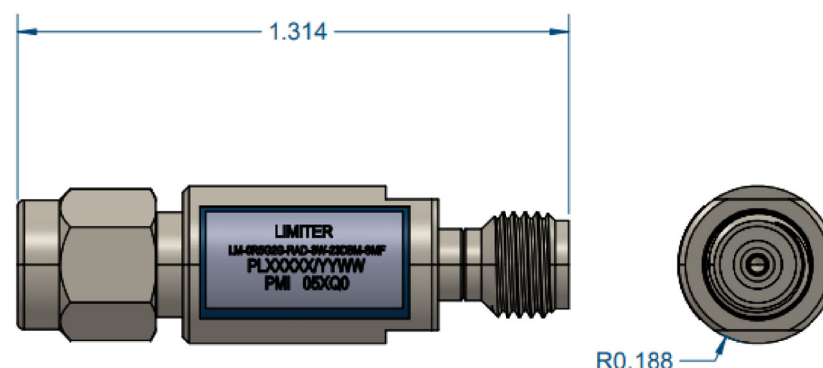
PMI MODEL: LM-10M18G-16-20W-RAD-OPT052 IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 0.5 TO 2.0 GHz. THIS LIMITER IS OUTFITTED WITH SMA CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/27/23	

SPECIFICATIONS

- FREQUENCY RANGE: — 0.5 TO 2.0 GHz
- RF POWER HANDLING: — 20W CW MAX
500 W PEAK MAX - 1us PW / 1kHz PRF
- INSERTION LOSS: — 0.7 dB AT -10 dBm INPUT POWER
- RECOVERY TIME (3 dB): - 250 ns MAX
- LEAKAGE POWER: — +15 dBm TYP
- IMPEDANCE: — 50 Ω
- VSWR: — 1.35:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: — +5 dBm NOM (1 dB COMPRESSION)
- CONNECTORS: — INPUT: 2.92mm MALE
OUTPUT: 2.92mm FEMALE
- WEIGHT: — 20g [0.705 oz] MAX
- SIZE: — (L) 1.314" x (DIA) 0.376"
- FINISH: — NICKEL PLATED

MECHANICAL OUTLINE



ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX \pm 0.508 [0.020]
X.XXX \pm 0.254 [0.010]

ENVIRONMENTAL RATINGS

IAW MIL-E-5400, CLASS 2 EQUIPMENT

- TEMPERATURE: — -55 $^{\circ}$ C TO +85 $^{\circ}$ C (OPERATING)
-62 $^{\circ}$ C TO +95 $^{\circ}$ C (STORAGE)
- VIBRATION: — 0.1 inchpp OR \pm 10G, 5 ~ 500 Hz
(FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: — 20G, 11 \pm 1 ms
- HUMIDITY: — 100%
- ALTITUDE: — 70,000 FT

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			REV.	
DRAWN		DATE		PRODUCT FEATURE				
JPH		8/27/23		LM-10M18G-16-20W-RAD-OPT052				
REDRAWN				0.5 to 2.0 GHz Coaxial Limiter				
ISSUED				SIZE	FSCM NO.	DWG NO.		
				A	05XQ0	PRELIMINARY		
				SCALE	N:S		SHEET	1 OF 1