

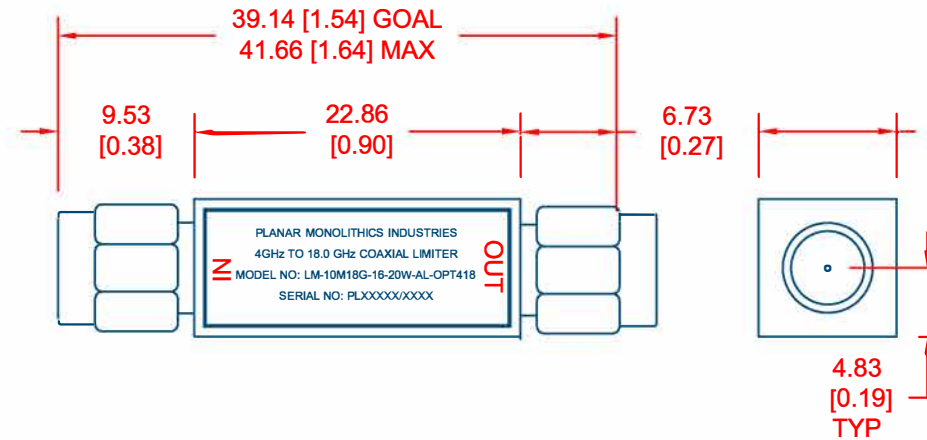
DESCRIPTION

PMI MODEL: LM-10M18G-16-20W-AL-OPT418-SMM IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 4.0 TO 18.0 GHz. THIS LIMITER IS OUTFITTED WITH SMA CONNECTORS

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	10/30/23	

SPECIFICATIONS

- FREQUENCY RANGE: 4 GHz TO 18.0 GHz
- RF POWER HANDLING: 20W CW MAX
500W PEAK MAX (10 μ s PW / 1kHz PRF)
- INSERTION LOSS: 2.0 dB @ -10 dBm INPUT POWER
- RECOVERY TIME (3 dB): 250 ns MAX
- LEAKAGE POWER: +15 dBm TYP
- IMPEDANCE: 50 Ω
- VSWR: 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: +5 dBm NOM (1 dB COMPRESSION)
- CONNECTORS: INPUT: SMA MALE
OUTPUT: SMA MALE
- WEIGHT: 20g [0.705 oz] MAX
- SIZE: (L) 22.86mm x (W) 9.65mm x (H) 9.65mm MAX
[(L) 0.90" x (W) 0.38" x (H) 0.38" MAX
EXCLUDING CONNECTORS
- FINISH: PAINTED BLUE



ENVIRONMENTAL RATINGS

IAW MIL-E-5400, CLASS 2 EQUIPMENT

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-62 °C TO +95 °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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Quantic PMI
PLANAR MONOLITHICS

APPROVALS		DATE	TITLE			
DRAWN			PRODUCT FEATURE LM-10M18G-16-20W-AL-OPT418			
REDRAWN						
ISSUED			SIZE	FSCM NO.	DWGNO.	REV.
			A	05XQ0	Preliminary	-
			SCALE	N:S	SHEET	1 OF 1