

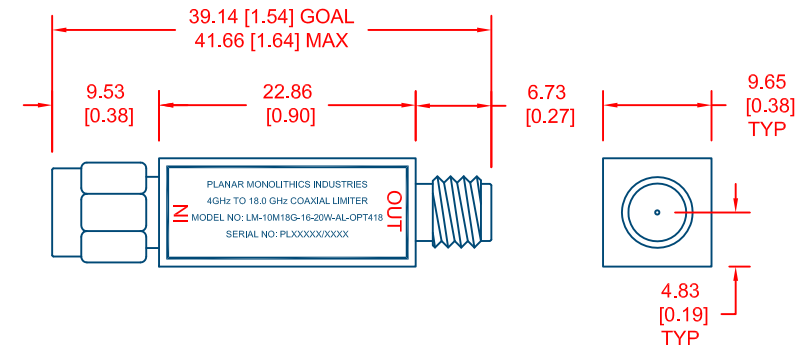
## DESCRIPTION

PMI MODEL: LM-10M18G-16-20W-AL-OPT418 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
	A1	ORIGINAL RELEASE	07/17/23	

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 4 GHz TO 18.0 GHz
- RF POWER HANDLING: ----- 20W CW MAX  
500W PEAK MAX (10  $\mu$ 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  $\Omega$
- VSWR: ----- 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: ----- +5 dBm NOM (1 dB COMPRESSION)
- CONNECTORS: ----- INPUT: SMA MALE  
OUTPUT: SMA FEMALE
- 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**

7309-A GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: (301)-662-5019, FAX: (301)-662-1731  
WEB: www.quanticmpi.com  
EMAIL: sales@quanticmpi.com  
ISO 9001 CERTIFIED

**Quantic PMI**  
PLANAR MONOLITHICS

APPROVALS		DATE	TITLE			
DRAWN <i>MDL</i>		07/17/23	PRODUCT FEATURE LM-10M18G-16-20W-AL-OPT418			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. 27046900	REV. A1
ISSUED			SCALE N:S	SHEET 1 OF 1		