

DESCRIPTION

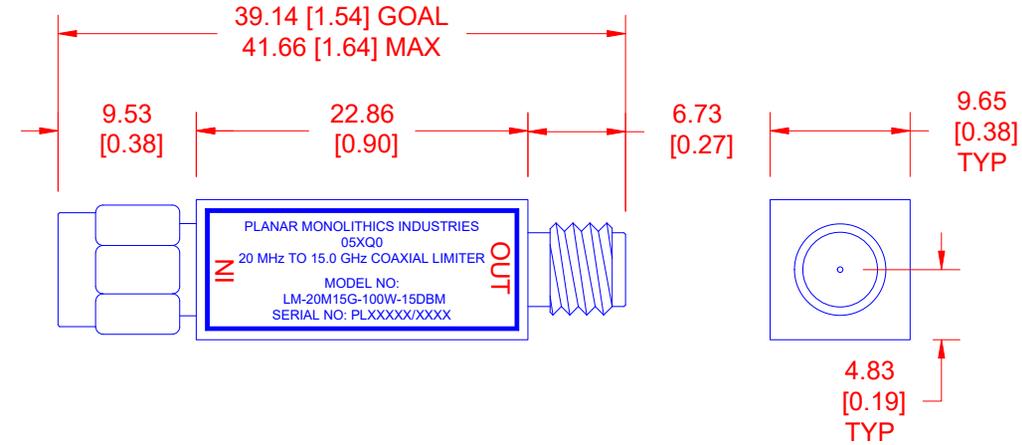
THE MODEL PMI LM-20M15G-100W-15DBM IS AN RF LIMITER THAT OPERATES IN THE RANGE OF FREQUENCIES FROM 20.0 MHZ TO 15.0 GHZ. THIS LIMITER CAN HANDLE UP TO 100W CW, FOR ALL TEMPERATURES (-55 ° TO +85 ° C) THE ENERGY INPUT PROVIDES LEAKS OF + 15DBM MAX. THIS MODEL HAS A LOW INSERTION LOSS OF 1.80 DB AND A TYPICAL 100 ns RECOVERY TIME.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/6/19	
	A2	ECN#21-0007	1/20/21	
	B1	ECN # 25-0299	11/10/25	

SPECIFICATIONS

- FREQUENCY RANGE: --- 20.0 MHz to 15.0 GHz
- RF POWER HANDLING: -- 100W CW MAX
1KW PEAK MAX (1us Pulse Width, 0.1% Duty Cycle)
- INSERTION LOSS: ----- 1.80 dB MAX@-10 dBm INPUT POWER
- RECOVERY TIME: ----- 100 ns MAX@ 1000 W PEAK POWER
- LEAKAGE POWER: ----- +15 dBm MAX AT 100W CW
- VSWR: ----- 2.0:1 MAX@ -10 dBm INPUT POWER
- LIMITING THRESHOLD:
P1dB: ----- +5 dBm MINIMUM
- 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

MECHANICAL OUTLINE



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

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 ± 10G, 5 ~ 500 Hz
(FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: ----- 15G, 11±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 <i>SMH</i>		5/8/20	PRODUCT FEATURE LM-20M15G-100W-15DBM 20.0 MHz to 15.0 GHz Coaxial Limiter			B1
REDRAWN			SIZE	FSCM NO.	DWG NO.	
			A	05XQ0	27038620	
ISSUED			SCALE	N:S	SHEET	1 OF 1