

DESCRIPTION

PMI MODEL LM-100M18G-40DBM-10DBM-SFF IS A RF LIMITER THAT OPERATES IN THE 0.1 GHz TO 18 GHz FREQUENCY RANGE. THIS LIMITER HAS A MAXIMUM INPUT POWER OF 10 W (+40 dBm) CW AND 1 kW (+60 dBm) PEAK @ 1 μ s PULSE WIDTH AND 1% DUTY CYCLE. MAXIMUM FLAT LEAKAGE IS 10 dBm AND VSWR IS 2.0:1 MAX.

SPECIFICATIONS

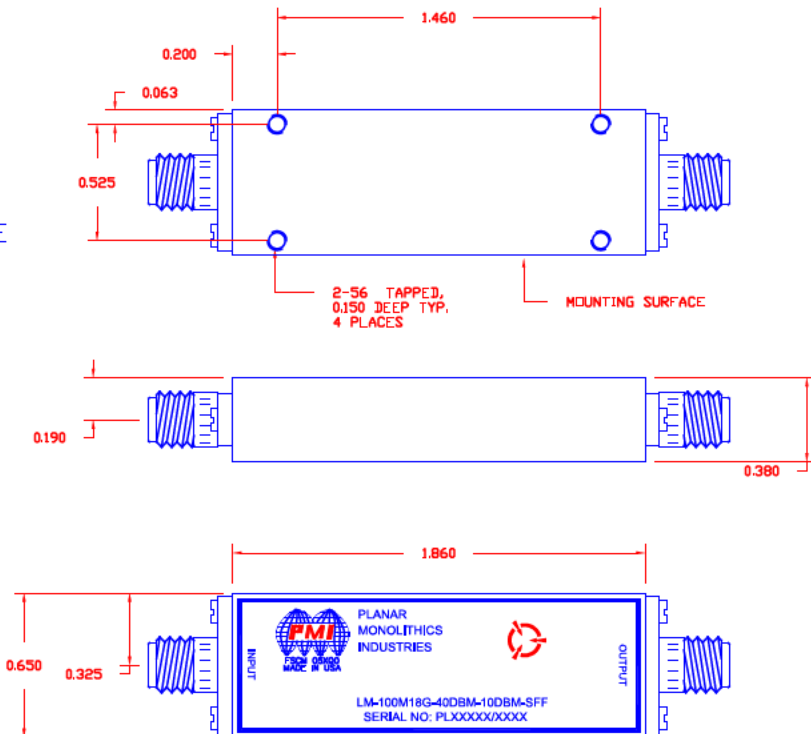
- FREQUENCY RANGE:0.1 GHz TO 18 GHz
- INSERTION LOSS:4 dB MAXIMUM
3 dB GOAL
- INPUT/OUTPUT VSWR:2.0:1 MAXIMUM
- INPUT POWER:10 W (+40 dBm) CW MAXIMUM
1 kW (+60 dBm) PEAK MAX @ 1 μ s PULSE
WIDTH AND 1% DUTY CYCLE
INPUT AND OUTPUT DC BLOCKED
- FLAT LEAKAGE:10 dBm MAXIMUM
8 dBm GOAL
- RECOVERY TIME:250 ns MAXIMUM @ 1 kW PEAK POWER
100 ns MAXIMUM @ 10 W
- CONNECTORS:SMA (F) — FIELD REPLACEABLE
- FINISH:GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE:-54°C TO +85° (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:MIL-STD-202F, METHOD 103B COND. B
- VIBRATION:MIL-STD-202F, METHOD 204D COND. B
- SHOCK:MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE:MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	10/01/24	
	2	ADD DC BLOCKS	10/10/24	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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

APPROVALS		DATE	TITLE			
DRAWN		AG	PRODUCT FEATURE			
CHECKED			LM-100M18G-40DBM-10DBM-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	2
			SCALE	N: S	SHEET	1 OF 1