

DESCRIPTION

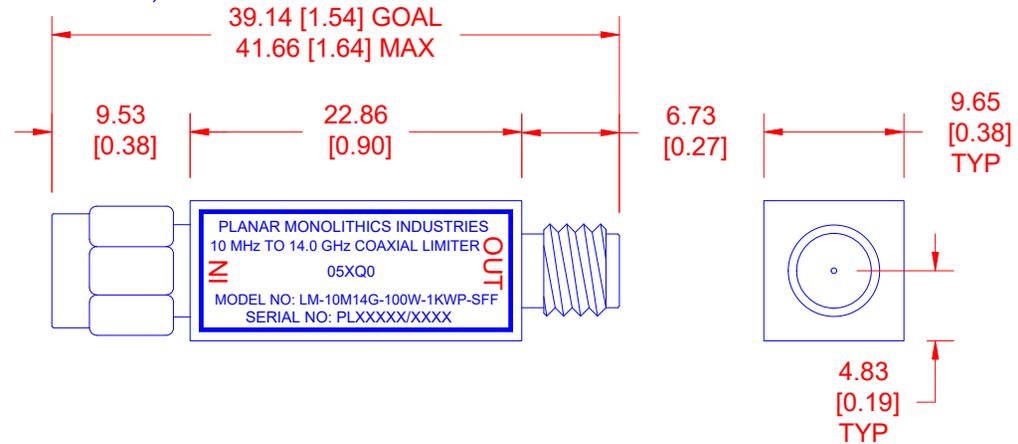
PMI MODEL: LM-10M14G-100W-1KWP-SFF IS AN RF LIMITER THAT OPERATES IN THE FREQUENCY RANGE OF 10 MHz TO 14 GHz. THIS LIMITER CAN HANDLE 100 W CW OVER 10 MHz TO 14 GHz, FOR ALL TEMPERATURES (-55°C TO +85°C) AND 1 kW PEAK (1% DUTY CYCLE, 1 us MAXIMUM PULSE WIDTH) ENERGY INPUT, AND PROVIDES MAXIMUM LEAKAGE OF +17 dBm. THIS MODEL HAS A LOW INSERTION LOSS OF 2.6 dB MAX AND A TYPICAL RECOVERY TIME OF 100 ns MAX.

SPECIFICATIONS

- FREQUENCY RANGE: 10 MHz TO 14 GHz
- INSERTION LOSS: 2.6 dB MAX
- INPUT/OUTPUT VSWR: 2.0:1 MAXIMUM (AT -10 dBm INPUT)
- IMPEDANCE: 50 OHMS
- INPUT POWER: 100 WATTS CW MAXIMUM (10 MHz TO 14 GHz, TESTED 20 MHz -14 GHz)
ALL TEMPERATURES (-55°C TO +85°C)
1 kW PEAK (1% DUTY CYCLE, 1 us PULSE WIDTH)
100 W PEAK (10% DUTY CYCLE, 10 us PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: 17 dBm MAXIMUM AT 100 W CW
- P1dB: 5 dBm MINIMUM
- RECOVERY TIME: 100 ns MAX
- FINISH: BLUE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/10/19	
	B1	ECN # 25-0231	5/12/23	

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			
DRAWN NJA		1/10/19	PRODUCT FEATURE LM-10M14G-100W-1KWP-SFF 10 MHz to 14.0 GHz Coaxial Limiter			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27036220	REV. B1
ISSUED			SCALE N:S		SHEET 1 OF 1	