

DESCRIPTION

THE PMI MODEL LM-10M14G-100CW-1KWP-SFF IS AN RF LIMITER THAT WORKS IN THE RANGE OF FREQUENCIES FROM 10MHZ TO 14GHZ. THIS LIMITER CAN HANDLE 100W CW OVER 10MHZ TO 14GHZ, FOR ALL TEMPERATURES (-55 ° TO +85 ° C) AND 1KW PEAK (10% WORK CYCLE, 10USEC MAXIMUM PULSE WIDTH) ENERGY INPUT AND PROVIDES MAXIMUM LEAKAGE OF +17DBM MAX. THIS MODEL HAS A LOW LOSS OF INSERTION OF 2.0DB AND A RECOVERY TIME OF 100NSEC TYPICAL.

SPECIFICATIONS

- FREQUENCY RANGE: 10 MHz TO 14GHz
- INSERTION LOSS: 2 dB TYPICAL
- INPUT/OUTPUT VSWR: 2.0 :1 MAXIMUM (AT -10dBm INPUT)
- IMPEDANCE: 50 OHMS
- INPUT POWER: 100 WATTS CW MAXIMUM (10MHZ TO 14GHZ)
ALLTEMPERATURES (-55 °C TO +85 °C)
1KW PEAK (1% DUTY CYCLE, 1USEC PULSE WIDTH)
100W PEAK (10% DUTY CYCLE, 10USEC PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: 17 dBm MAXIMUM AT 100W CW
- P1dB: 5dBm MINIMUM
- RECOVERY TIME: 100nsec TYPICAL
- FINISH: 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 ± 10G, 5 ~ 500 Hz
(FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: ----- 15G, 11±1 ms
- HUMIDITY: ----- 100%
- ALTITUDE: ----- 70,000 FT

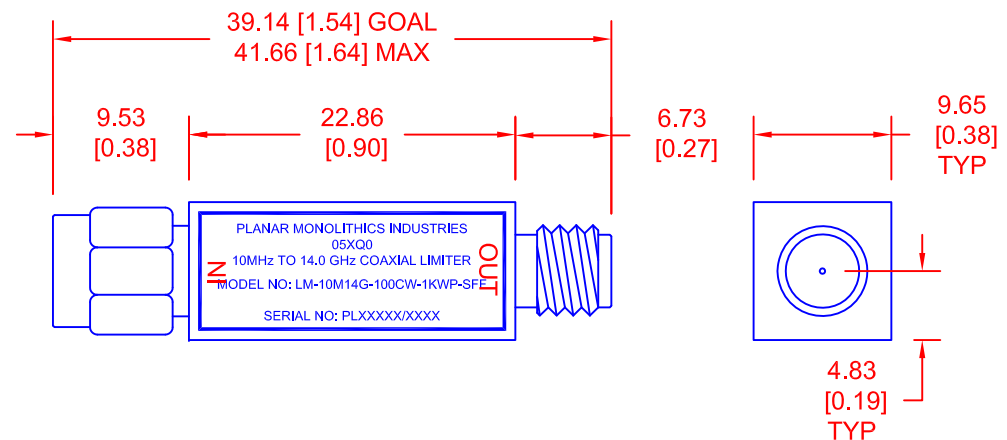
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	09/1/18	

MECHANICAL OUTLINE



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

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		09/01/18		PRODUCT FEATURE	
CHECKED				LM-10M14G-100CW-1KWP-SFF	
ISSUED				10MHz to 14.0 GHz Coaxial Limiter	
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27034041	A1		
SCALE	N:S			SHEET	1 OF 1