

DESCRIPTION

PMI MODEL: LM-15G17D5G-18-20W-1KWP-SFF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 15.0 TO 17.5 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 20 WATTS CW & 1000 WATTS PEAK, HOUSED WITHIN A COMPACT 1.00" x 1.00" x 0.40" PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 15.0 TO 17.5 GHz
- RF INPUT POWER: ----- +43 dBm CW MAXIMUM
- PEAK INPUT POWER: ----- +50 dBm 20% DC, 100us PW MAXIMUM
- LIMITING THRESHOLD (P1dB): ----- +5.0 dBm MINIMUM
- RF LEAKAGE (FLAT & SPIKE): ----- +16 dBm MAXIMUM
- RECOVERY TIME: ----- 100 ns MAXIMUM
- INSERTION LOSS @ -10 dBm INPUT POWER: - 1.9 dB MAXIMUM @ ROOM TEMP.
- VSWR @ -10 dBm INPUT POWER: ----- 1.5:1 MAXIMUM (INPUT/OUTPUT)
- CONNECTORS: ----- SMA FEMALE (REMOVABLE)
RF PINS 0.036" DIA X 0.085 L
- SIZE (EXCLUDING CONNECTORS): ----- 1.0" x 1.0" x 0.4"
- FINISH: ----- GOLD PLATED
- WEIGHT: ----- 3.0 OZ MAXIMUM

*NO DC BLOCKS ARE USED IN INSIDE THIS LIMITER

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
-55 °C TO +85 °C (NON-OPERATING)

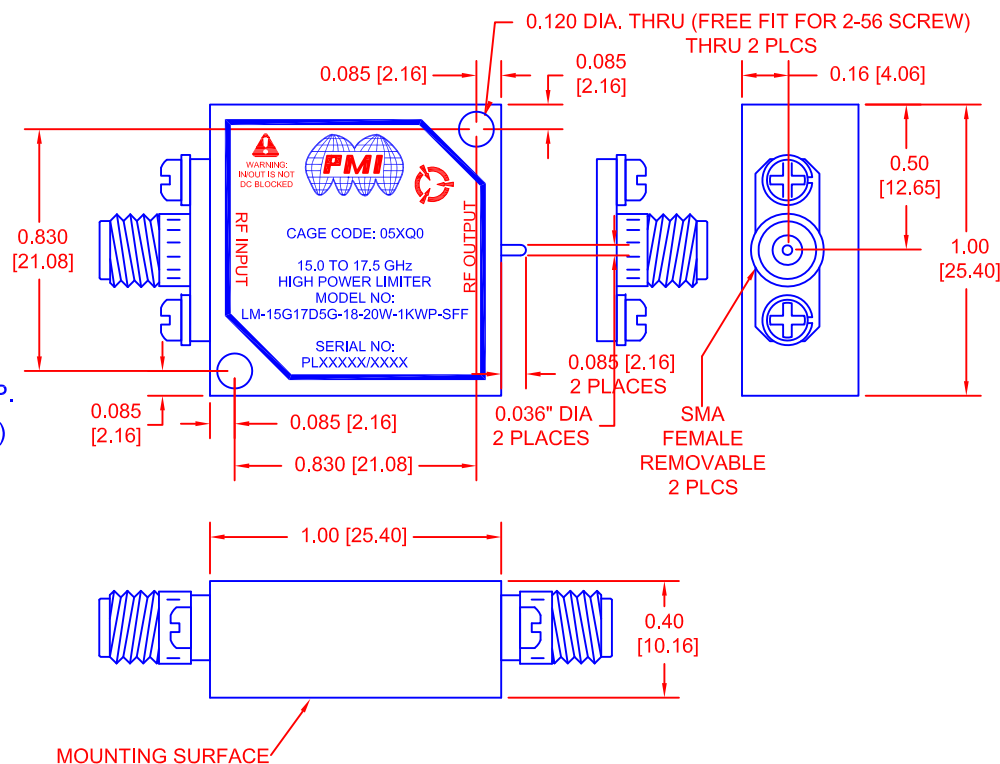
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN INCH [mm]
TOLERANCES:
X.XX ± 0.020 [0.508]
X.XXX ± 0.005 [0.254]

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/9/21	
	A2	ECN # 22-0035	9/15/22	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		JPH		PRODUCT FEATURE	
REDRAWN				LM-15G17D5G-18-20W-1KWP-SFF	
ISSUED				15.0 TO 17.5 GHz HIGH POWER LIMITER	
SIZE	A	FSCM NO.	05XQ0	DWG NO.	27043040
SCALE	N:S				
				SHEET	1 OF 1