

DESCRIPTION:

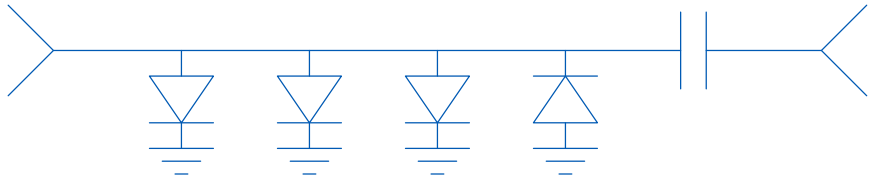
PMI MODEL: LM-0D01M18G-100W-17DBM-SMF-HERM IS A HIGH POWER LIMITER THAT OPERATES OVER THE 0.01 MHz TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT OF 100 WATTS CW.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.01 MHz TO 18.0 GHz
- RF INPUT POWER:..... +50 dBm CW (100W) MAX (0.01 MHz TO 11.0 GHz)
+20 dBm CW (0.1W) MAX (11.0 GHz TO 18.0 GHz)
- RF INPUT PEAK POWER:..... +57 dBm (500W) MAX (0.01 MHz TO 11 GHz)
4% DC 125 us PW
N/A (11 GHz TO 18 GHz)
- RF LEAKAGE (FLAT):..... +17 dBm MAX
- SPIKE LEAKAGE:..... 1000 ergs
- RECOVERY TIME:..... 100 ns MAX
- INSERTION LOSS @ -5 dBm :..... 1 dB MAX (50 kHz to 10 MHz)
2 dB MAX (10 MHz to 11 GHz)
3.5 dB MAX (11 GHz to 18 GHz)
- VSWR @ -5 dBm:..... 2.2:1 MAX (50 kHz to 10 MHz)
2.0:1 MAX (10 MHz to 11 GHz)
2.1:1 MAX (11 GHz to 18 GHz)
- CONNECTORS:..... SMA MALE/FEMALE (REMOVEABLE)
- SIZE (EXCLUDING CONNECTORS):..... 0.625" x 0.80" x 0.40"
15.88mm x 20.32mm x 10.16mm
- FINISH:..... PAINTED BLUE WITH MIL-DTL-53022
EPOXY PRIMER AND MIL-PRF-22750
TYPE II PAINT
- MARKING:..... ATTACHED WITH STICK ON LABEL
- SEAL:..... HERMETICALLY SEALED
IAW MIL-STD-883, METHOD 1014
- WEIGHT:..... 2.0 OZ MAX
- CONTAINER MATERIALS:..... HOUSING: 6061-T6 ALUMINIUM
COVER: 4047 ALUMINIUM

*DC BLOCK PRESENT ON LIMITER OUTPUT (NO DC BLOCK ON INPUT)

SIMPLIFIED SCHEMATIC:

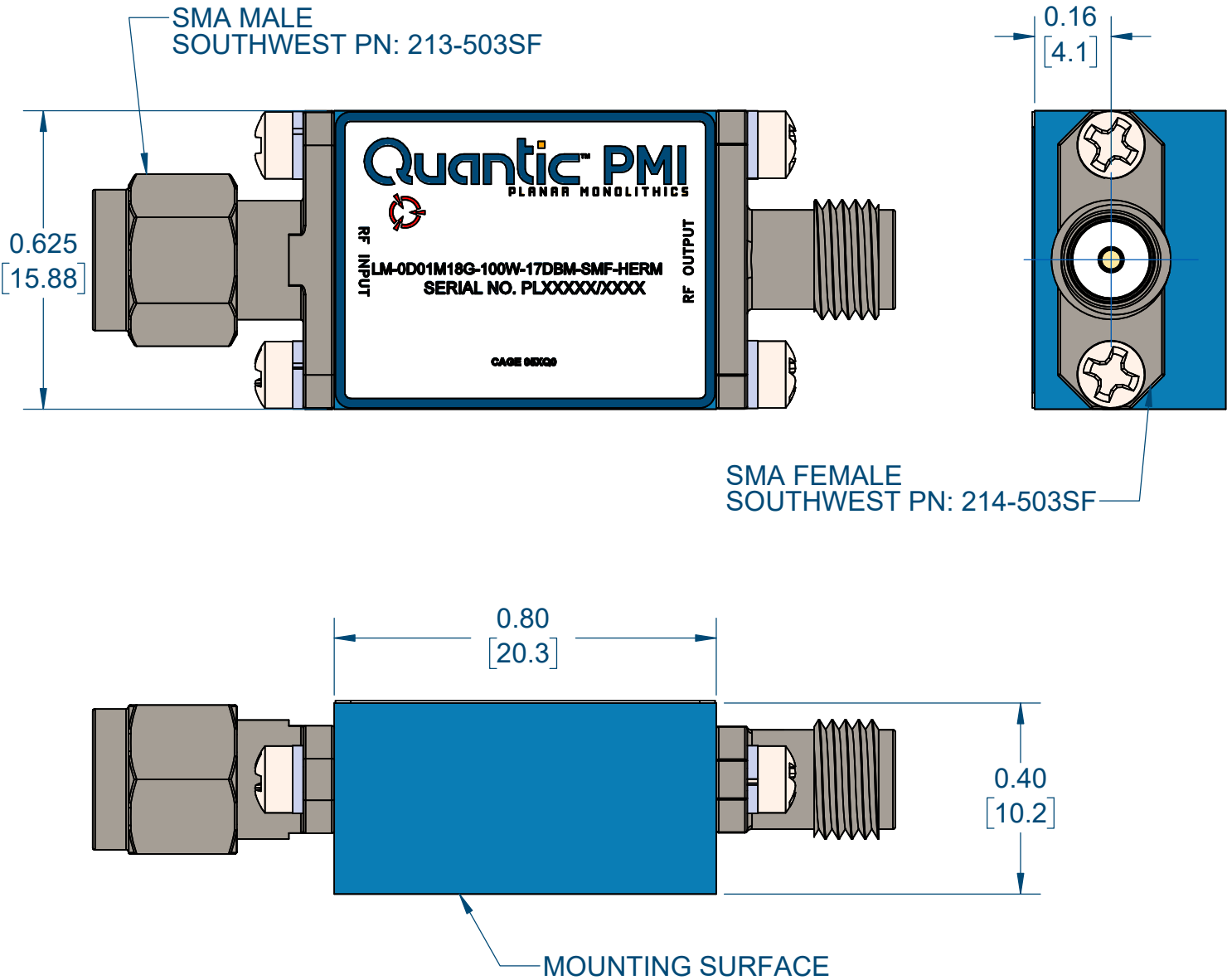


ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)
- TEMPERATURE CYCLE:..... MIL-STD-883, METHOD 1010, COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/17/2025	
	1	Update Format, Remove @25°C	10/9/2025	



PMI CONFIDENTIAL AND PROPRIETARY

					Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED							
			APPROVALS		DATE		TITLE					
			DRAWN D. HOSCHAR		9/17/2025							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			REDRAWN		PRELIMINARY OUTLINE							
			ISSUED		SIZE		FSCM NO.		DWG NO.		REV.	
					B		05XQ0		PRELIMINARY		1	
					SCALE 3:1						SHEET 1 OF 1	