

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-15M18G-10-5W-SHS-2-FM IS A HIGH POWER LIMITER THAT WORKS FROM 15 MHz TO 18 GHz AND HANDLES 100 WATTS PEAK POWER WITH A PULSE WIDTH OF 1 us.

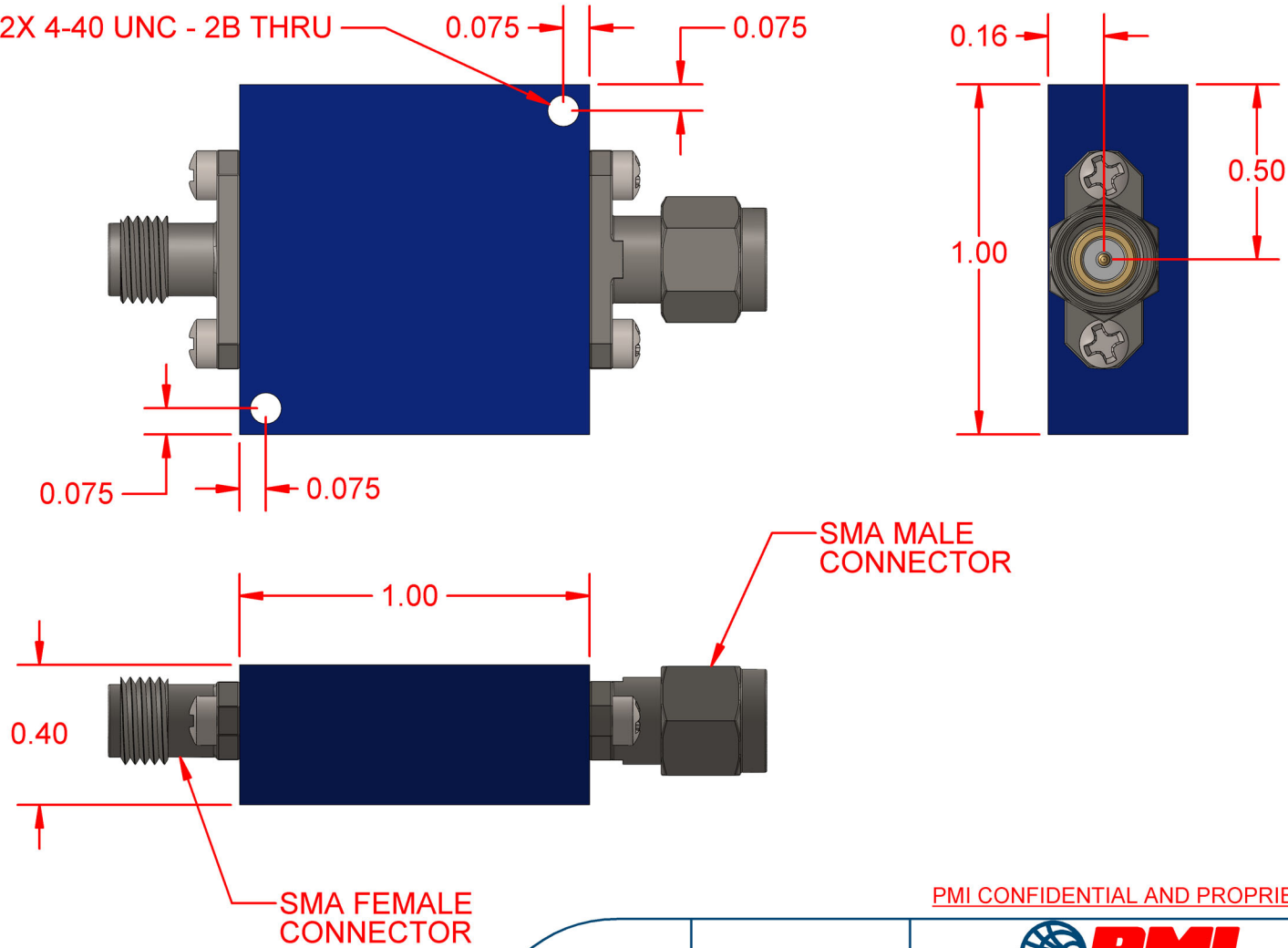
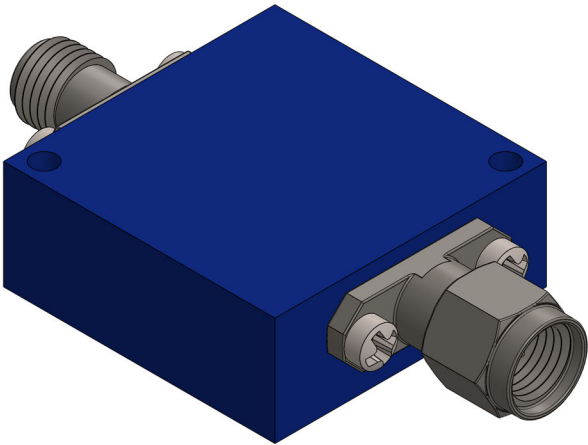
SPECIFICATIONS:

- FREQUENCY RANGE:..... 15 MHz TO 18 GHz
- INSERTION LOSS @ -20 dBm:..... 2.0 dB MAX, 1.5 dB TYP
- VSWR @ -20 dBm:..... 2.0:1 MAX, 1.5:1 TYP
- LEAKAGE @ 1 WATT:..... +15 dBm MAX, +10 dBm TYP
- POWER:..... 5 WATTS CW
- PEAK POWER:..... 100 WATTS
- PULSE WIDTH:..... 1 us
- DUTY CYCLE:..... 0.1%
- CONNECTOR (INPUT):..... SMA FEMALE
- CONNECTOR (OUTPUT):..... SMA MALE
- SIZE:..... 1.00" X 1.00" X 0.40" (H)
- WEIGHT:..... 1.5 OZ. MAX
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +85°C (OPERATING)
..... -65°C TO +100°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/12/2026	



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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.02 ±
± .XXX ± 0.01

APPROVALS		DATE
DRAWN	AG	8/12/2026
REDRAWN		
ISSUED		

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ISO 9001 CERTIFIED

TITLE			
PRELIMINARY OUTLINE			
LM-15M18G-10-5W-SHS-2-FM			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	PRELIMINARY	-
SCALE 2:1			SHEET 1 OF 1