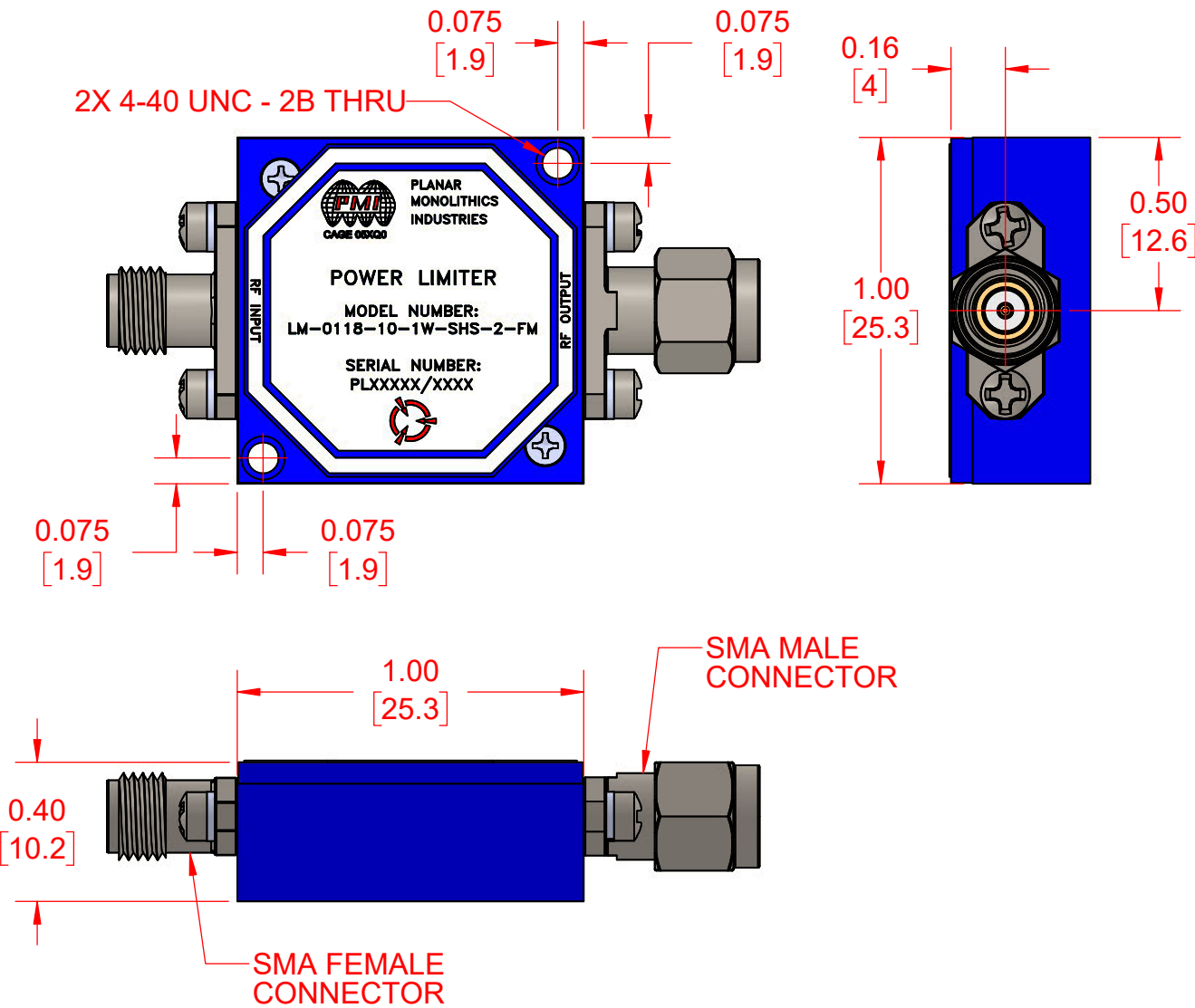
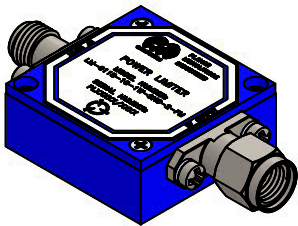


DESCRIPTION:
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-0118-10-1W-SHS-2-FM IS A HIGH POWER LIMITER THAT WORKS FROM 100 MHz TO 18 GHz THAT HANDLES 100 WATTS PEAK POWER WITH A PULSE WIDTH OF 1 us.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/13/2022	
	A2	ECN # 22-0164	12/14/2022	
	B1	ECN # 24-0293	10/18/24	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 100 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 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS

DATE

DRAWN
J ESCANO

REDRAWN

ISSUED

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

TITLE

OUTLINE

LM-0118-10-1W-SHS-2-FM

SIZE

FSCM NO.

DWG NO.

REV.

B

05XQ0

27043400

B1

SCALE 2:1

SHEET 1 OF 1