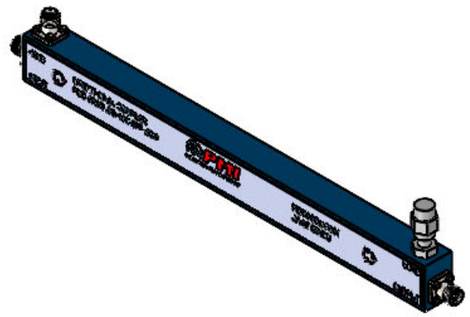
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/22/2024	
	B1	ECN # 24-0120	4/25/2024	
	C1	ECN # 26-0238	11/3/2026	

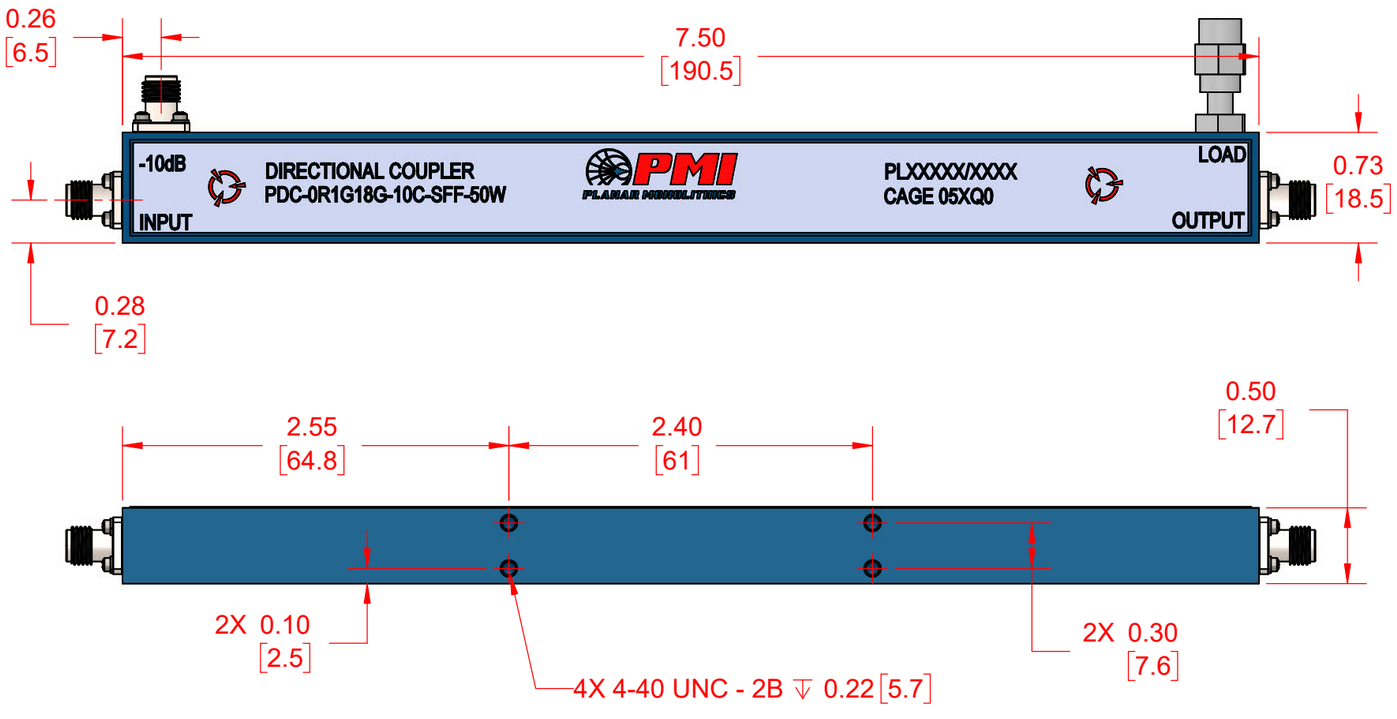
DESCRIPTION:

PMI MODEL NO. PDC-0R1G18G-10C-SFF-50W IS A 0.1 TO 18.0 GHz DIRECTIONAL COUPLER.



SPECIFICATIONS: @ 25°C

- FREQUENCY RANGE:..... 0.1 TO 18.0 GHz
- INSERTION LOSS:..... 3.0 dB MAX (EXCL. COUPLING LOSS 0.46 dB)
- COUPLING FACTOR:..... 10 ±1.0 dB MAX
- COUPLING SENSITIVITY:..... ±1.7 dB MAX
- DIRECTIVITY:..... 10 dB MIN
- VSWR:..... PRIMARY 1.60:1 MAX
  SECONDARY 1.60:1 MAX
- POWER HANDLING:..... INCIDENT 30 W MAX
  REFLECTED 2 W MAX
- IMPEDANCE:..... 50 Ω
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
- HUMIDITY:..... UP TO 95%, NON-CONDENSING

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 .XX ± 0.02 .XXX ± 0.01 ANGLES ±

APPROVALS	DATE
DRAWN S AZHAR	1/22/2024
REDRAWN	
ISSUED	

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

TITLE: OUTLINE
PDC-0R1G18G-10C-SFF-50W

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27048040	C1

SCALE 1:1 SHEET 1 OF 1