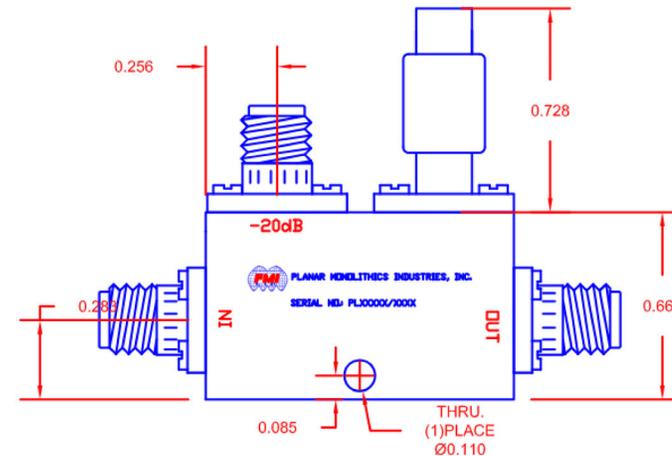
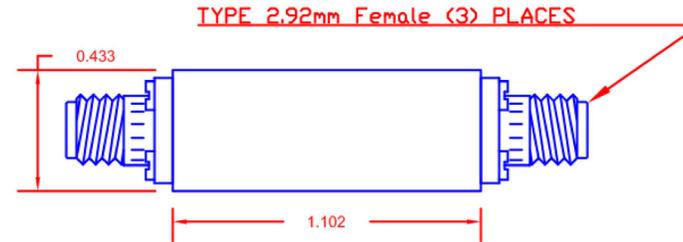


DESCRIPTION:

PMI MODEL NUMBER PDC-26D5G40G-10-292FF-CC IS A 10 dB DIRECTIONAL COUPLER DESIGNED TO OPERATE OVER THE 26.5 GHz TO 40 GHz FREQUENCY RANGE. THIS MODEL FEATURES LOW VSWR, HIGH DIRECTIVITY, AND A COMPACT PACKAGE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/14/25	

MECHANICAL OUTLINE



SPECIFICATIONS:

- FREQUENCY: 26.5 GHz TO 40 GHz
- INSERTION LOSS: 1.4 dB MAX (EXCL. COUPLING LOSS OF 0.46 dB)
- COUPLING FACTOR: 10 dB ± 0.8 dB MAX
- COUPLING SENSITIVITY: ± 0.8 dB MAX
- DIRECTIVITY: 12 dB MIN
- VSWR: 1.5:1 MAX
- POWER HANDLING: INCIDENT: 20 W MAX
REFLECTED: 1 W MAX
- IMPEDANCE: 50 OHM
- CONNECTORS: 2.92 mm (F)
- FINISH: PAINTED BLUE
CONFORMAL COATING
- WEIGHT: 30 g TYP
- SEALING: IP 66

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
- HUMIDITY: 100% CONDENSING

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT: 2.75 oz.

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7309-A GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.quanticmpi.com
E-MAIL: sales@quanticmpi.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		REV.
DRAWN AG		08/14/25	PRODUCT FEATURE		-
CHECKED			PDC-26D5G40G-10-292FF-CC		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	