DESCRIPTION

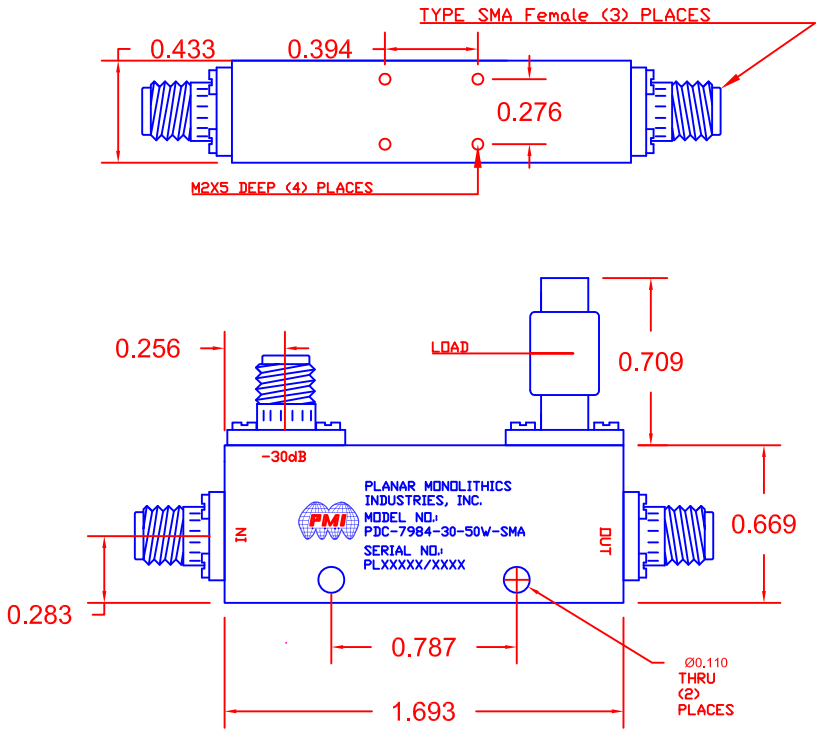
PMI MODEL PDC-7984-30-50W-SMA IS A DIRECTIONAL COUPLER THAT HAS AN OPERATING FREQUENCY OF 7.9-8.4 GHZ. THIS MODEL FEATURES LOW VSWR, HIGH DIRECTIVITY, BROADBAND AND COMPACT SIZE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/11/21	

SPECIFICATIONS

- FREQUENCY RANGE:-- 7.9 GHz TO 8.4 GHz
- INSERTION LOSS:---- 0.4 dB MAX. (Excl. Coupling loss 0.01dB)
- COUPLING FACTOR:-- 30 dB ±0.5dB MAX.
- COUPLING SENSITIVITY:-------- ±0.5 dB MAX.
- DIRECTIVITY:-------- 18 dB MIN.
- VSWR:------------ PRIMARY 1.2:1 MAX
SECONDARY 1.2:1 MAX
- POWER HANDLING:--- INCIDENT ≤50WATT
REFLECTED ≤2 WATT
- IMPEDANCE:-------- 50Ω
- CONNECTORS:-------- SMA-FEMALE
- FINISH:------------ PAINTED BLUE
- WEIGHT:----------- 30g

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS	DATE
DRAWN ABF	8/11/21
CHECKED	
ISSUED	

TITLE: OUTLINE DRAWING
PDC-7984-30-50W-SMA

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0		-

SCALE N/A SHEET 1 OF 1