

## DESCRIPTION

PMI MODEL PDC-15G32G-15-20W-292FF IS A DIRECTIONAL COUPLER THAT HAS AN OPERATING FREQUENCY OF 15.0 TO 32.0 GHZ. THIS MODEL FEATURES LOW VSWR, HIGH DIRECTIVITY, BROADBAND AND COMPACT SIZE.

## SPECIFICATIONS

- FREQUENCY RANGE:--- 31.0 GHZ TO 50.0 GHZ
- INSERTION LOSS:----- 1.1 dB MAX. (Excl. Coupling loss 0.14dB)
- COUPLING FACTOR:--- 15 dB  $\pm$ 1.0dB
- COUPLING SENSITIVITY:-----  $\pm$ 1.0 dB
- DIRECTIVITY:----- 15 dB MIN.
- VSWR:----- PRIMARY 1.6:1 MAX  
SECONDARY 1.6:1 MAX
- POWER HANDLING:--- INCIDENT  $\leq$ 20WATT  
REFLECTED  $\leq$ 1 WATT
- IMPEDANCE:----- 50 $\Omega$
- CONNECTORS:----- 2.92mm-FEMALE
- FINISH:----- PAINTED BLUE
- WEIGHT:----- 30g

## ENVIRONMENTAL RATINGS

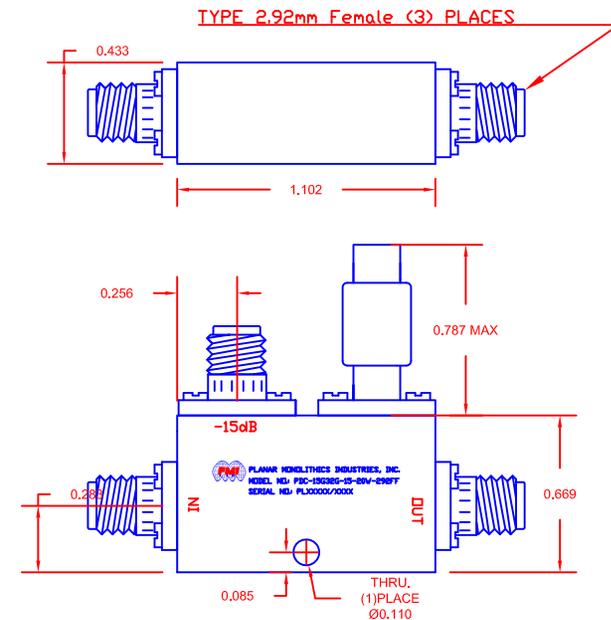
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
- HUMIDITY: ----- UP TO 95%, NON-CONDENSING

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/28/22	

## MECHANICAL OUTLINE



**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	TITLE			
DRAWN <i>AF</i>		9/28/22	OUTLINE DRAWING PDC-15G32G-15-20W-292FF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			SCALE N/A		SHEET 1 OF 1	