

DESCRIPTION

PMI MODEL APD-2-2G4G-40W-SFF IS A 2-WAY POWER DIVIDER OPERATING BETWEEN 2 AND 4 GHz. THIS POWER DIVIDER DEMONSTRATES A LOW INSERTION LOSS OF 0.25 dB MAX AND AN ISOLATION OF 23 dB MIN.

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 4 GHz
- INSERTION LOSS: ≤ 0.25 dB
- ISOLATION: ≥ 23 dB
- VSWR: INPUT $\leq 1.30:1$
OUTPUT $\leq 1.20:1$
- AMPLITUDE BALANCE: $\leq \pm 0.1$ dB
- PHASE BALANCE: $\leq 2^\circ$
- POWER HANDLING: FORWARD ≤ 40 Watt
REVERSED ≤ 1 Watt
- IMPEDANCE: 50 Ω
- PORT CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
- HUMIDITY: UP TO 90%, NON-CONDENSING

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

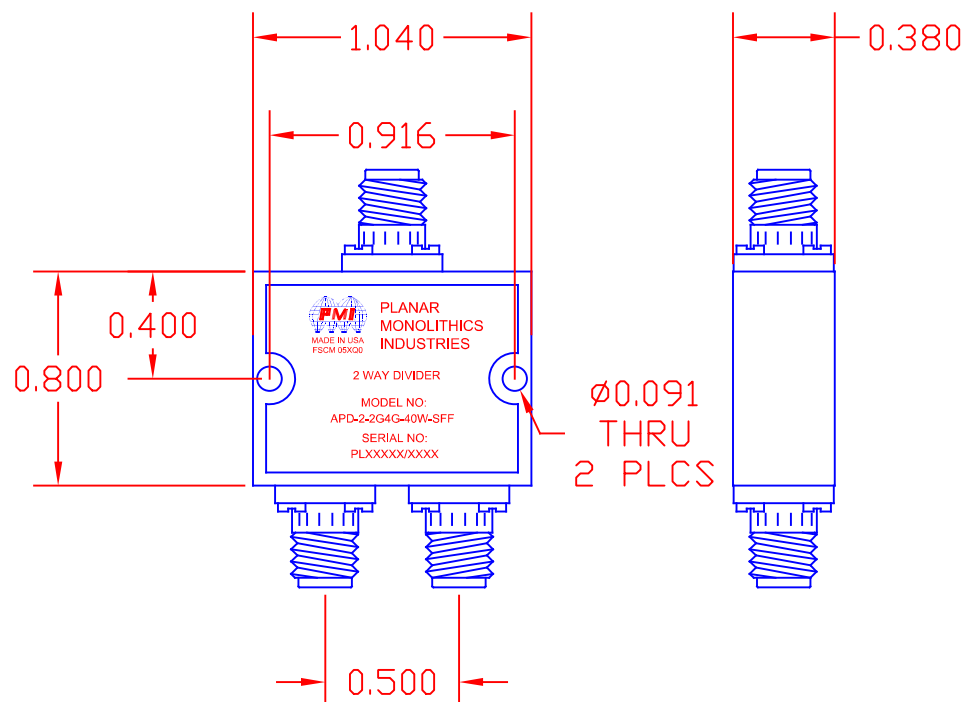
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/17/2024	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
- HUMIDITY: UP TO 90%, NON-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

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		AG		9/17/2024		PRODUCT FEATURE APD-2-2G4G-40W-SFF
CHECKED						
ISSUED						
SIZE	A	FSCM NO.	05XQ0	DWG NO.	PRELIMINARY	REV.
SCALE	N:S				SHEET	1 OF 1