

DESCRIPTION

PMI MODEL APD-2-500M40G-292FF IS A TWO WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, LOW VSWR AND HAS EXCELLENT PHASE AND AMPLITUDE BALANCE.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 40 GHz
- INSERTION LOSS: 6.0 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR (IN/OUT): 1.7:1 MAX, 1.7:1 MAX
- ISOLATION: 15 dB MINIMUM
- AMPLITUDE BALANCE: ± 1.0 dB MAXIMUM
- PHASE BALANCE: $\pm 10^\circ$ MAXIMUM
- POWER HANDLING: FORWARD: 10 W MAXIMUM
REVERSED: 1 W MAXIMUM
- IMPEDANCE: 50 Ω
- CONNECTORS: 2.92 FEMALE (X3)
- FINISH: PAINTED BLUE
- SOLDER: LEAD FREE, RoHS COMPLIANT
- WEIGHT: 100 g

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

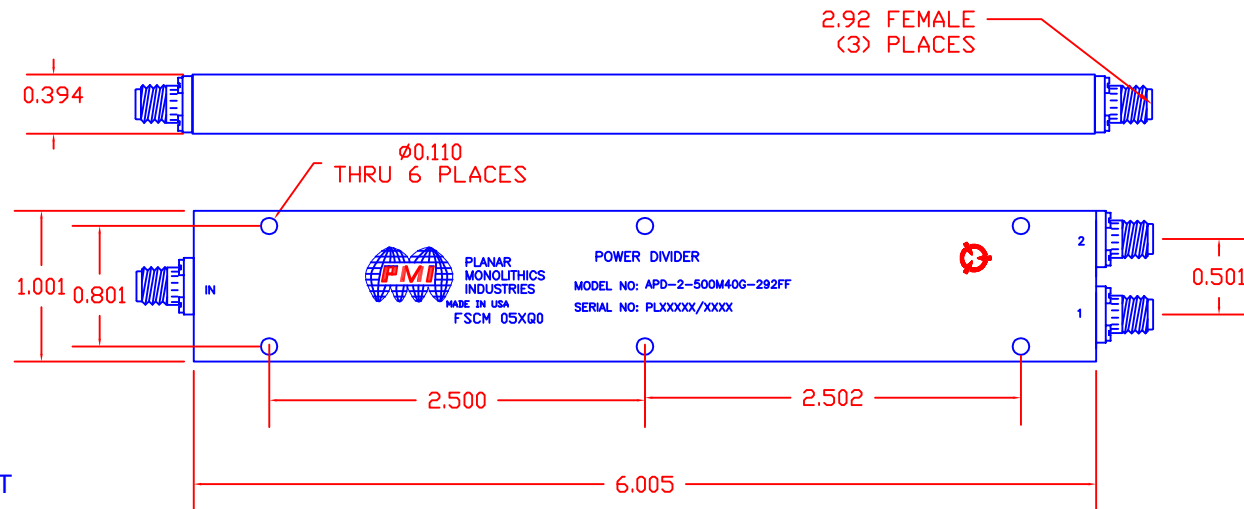
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/06/21	

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		08/06/21		PRODUCT FEATURE APD-2-500M40G-292FF		
CHECKED				SIZE	FSCM NO.	DWG NO.
ISSUED				A	05XQ0	PRELIMINARY
				SCALE	N:S	SHEET 1 OF 1