

DESCRIPTION

PMI MODEL NO. APD-7-328M335R5M-TNC IS A 7-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE 328 TO 335.5 MHz. IT HAS AN INSERTION LOSS OF 1.2 dB MAXIMUM AND AN ISOLATION OF 20 dB MINIMUM. IT IS SUPPLIED IN A HERMETICALLY SEALED OR CONFORMAL COATED PACKAGE PER REQUEST AND IS OUTFITTED WITH TNC FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 328 TO 335.5 MHz
- INSERTION LOSS: ----- 1.2 dB MAXIMUM
- VSWR: ----- 1.15:1 MAXIMUM
- ISOLATION: ----- 20 dB MINIMUM
- AMPLITUDE BALANCE: ----- ±0.2 dB MAXIMUM
- PHASE BALANCE: ----- ±2° MAXIMUM
- POWER HANDLING: ----- FORWARD: 15 WATTS MAXIMUM
REVERSED: 1 WATT MAXIMUM
- IMPEDANCE: ----- 50 OHMS
- PORT CONNECTORS: ----- TNC FEMALE
- FINISH: ----- PAINTED BLUE
- SEALING: ----- HERMETIC OR CONFORMAL COATED PER REQUEST

SPECIFICATION TABLE

PORT	MAGNITUDE (dB)	PHASE (DEGREE)
J4	-5.05	0
J3	-6.30	-18
J2	-10.28	-35
J1	-18.06	-52
J5	-6.30	+18
J6	-10.28	+35
J7	-18.06	+52

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -50 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- UP TO 95%, NON-CONDENSING (OPERATING)
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

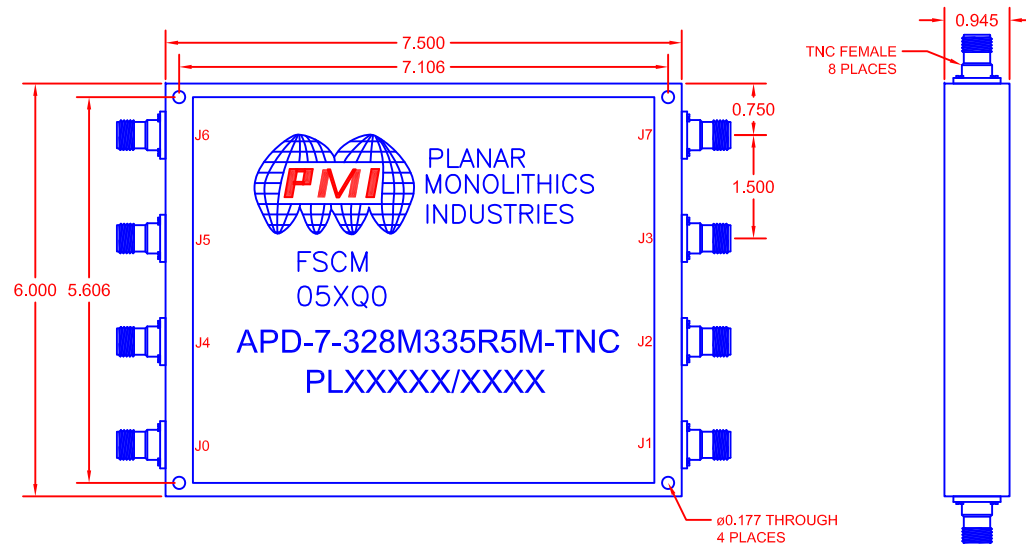
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/4/2018	
	1	UPDATED SPECS AND HOUSING	9/24/2018	
	2	MECHANICAL UPDATE	3/14/2019	

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>EW</i>		9/4/18	PRODUCT FEATURE APD-7-328M335R5M-TNC			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 2
ISSUED			SCALE N:S	SHEET 1 OF 1		