DESCRIPTION

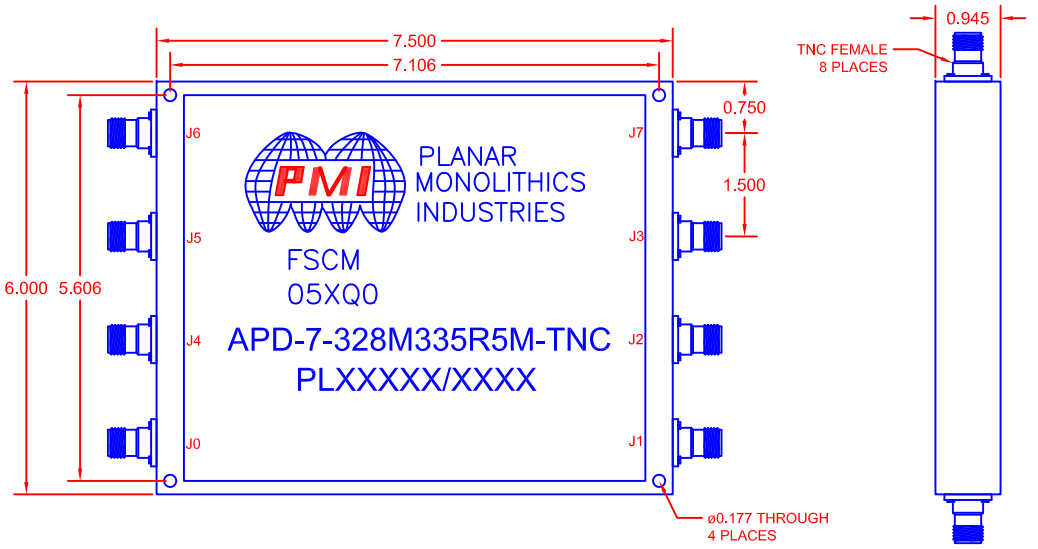
PMI MODEL NO. APD-7-328M335R5M-TNC IS A 7-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE 328 TO 335.5 MHz. IT HAS AN INSERTION LOSS OF 1.2 dB MAXIMUM AND AN ISOLATION OF 20 dB MINIMUM. IT IS SUPPLIED IN A HERMETICALLY SEALED OR CONFORMAL COATED PACKAGE PER REQUEST AND IS OUTFITTED WITH TNC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

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

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

MECHANICAL OUTLINE



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

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

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 CW	9/4/18
REDRAWN	
ISSUED	

TITLE: PRODUCT FEATURE
APD-7-328M335R5M-TNC

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	2

SCALE N:S SHEET 1 OF 1