

DESCRIPTION

PMI MODEL: APD-16-0D5G18D0G-SFF IS A 16-WAY, IN-PHASE POWER DIVIDER OPERATING FROM 0.5 GHZ TO 18.0 GHZ. THIS MODEL OFFERS AN INSERTION LOSS OF 20 dB MAXIMUM WITH OVER 14 dB OF ISOLATION. THE PHASE BALANCE IS $\pm 9^\circ$ TYPICAL AND THE AMPLITUDE BALANCE IS ± 2.0 dB MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.5 TO 18.0 GHz
- INSERTION LOSS: ----- 16.0 dB MAXIMUM
- ISOLATION: ----- 12dB@ 0.5 -0.6GHz
14dB 0.6 -18GHz
- VSWR: ----- Input/Output 2.50:1 (0.5 to 1GHz)
Input/Output 2.00:1 (1 to 18GHz)
- AMPLITUDE BALANCE: ----- ± 2.0 dB MAXIMUM
- PHASE BALANCE: ----- $\pm 3^\circ$ GOAL
 $\pm 9^\circ$ MAX
- POWER HANDLING: ----- FORWARD: 10 WATT MAXIMUM
REVERSED: 0.5 WATT MAXIMUM
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 19.00" x 10.06" x 1.73"
482.60 mm x 255.52 mm x 43.92 mm
- FINISH: ----- POWDER COATED BLUE

ENVIRONMENTAL RATINGS

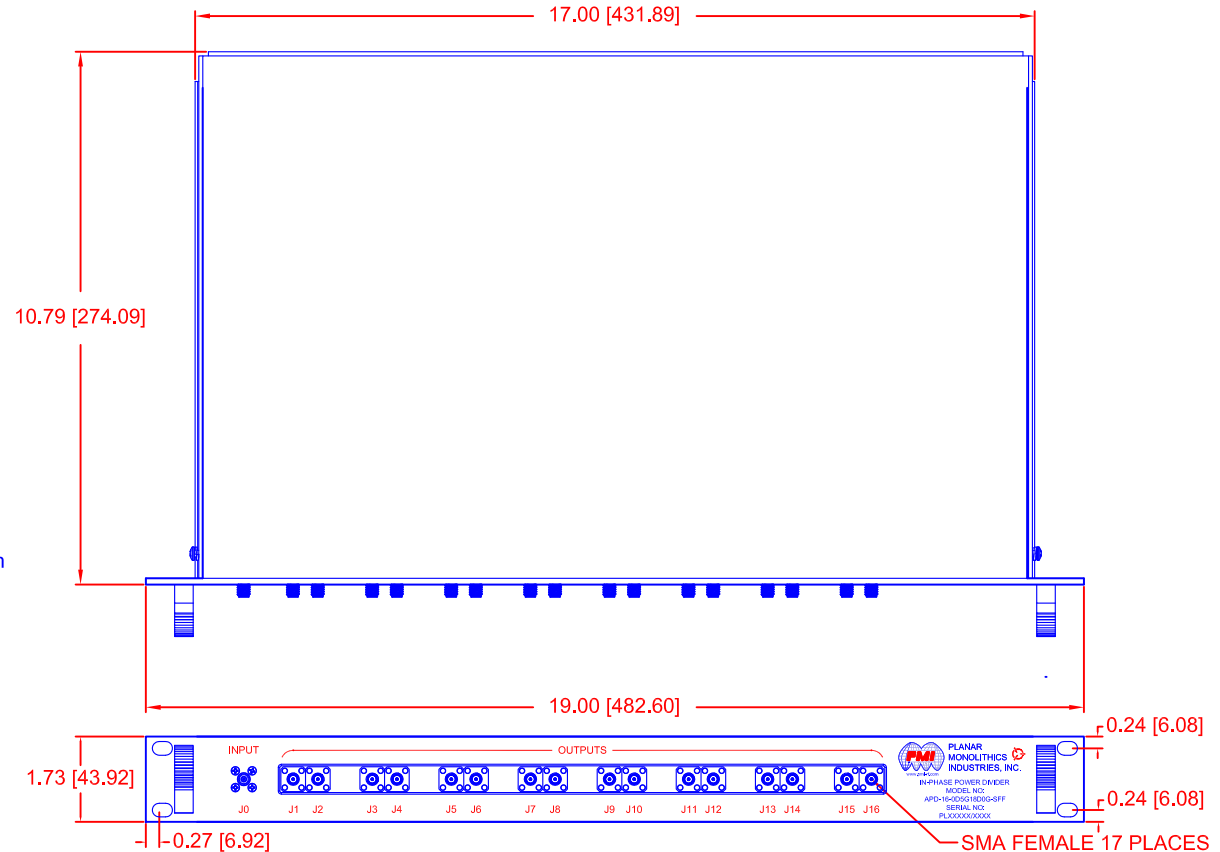
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- UP TO 90%, NON-CONDENSING
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	01/10/17	

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>JPU</i>		9/21/16	PRODUCT FEATURE APD-16-0D5G18D0G-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27031620
ISSUED			SCALE N:S		REV. A1
					SHEET 1 OF 1