

DESCRIPTION

PMI MODEL: PD-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 12.0 dB MAXIMUM WITH OVER 14 dB OF ISOLATION. THE PHASE BALANCE IS $\pm 9^\circ$ MAXIMUM AND THE AMPLITUDE BALANCE IS ± 1.5 dB MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18.0 GHz
- INSERTION LOSS: 12.0 dB MAX
- ISOLATION: 12dB@ 0.5 -0.6GHz MIN
14dB 0.6 -18GHz MIN
- VSWR: Input $\leq 2.50:1$ (0.5 to 1GHz)
Input $\leq 2.00:1$ (1 to 18GHz)
Output $\leq 1.80:1$
- AMPLITUDE BALANCE: ± 1.5 dB MAX
- PHASE BALANCE: $\pm 9^\circ$ MAX
- POWER HANDLING: FORWARD: 10 WATT MAX
REVERSED: 0.5 WATT MAX
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE
- SIZE: 7.88" x 12.39" x 0.74"
200.2 mm x 314.6 mm x 18.9 mm
- FINISH: PAINTED 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

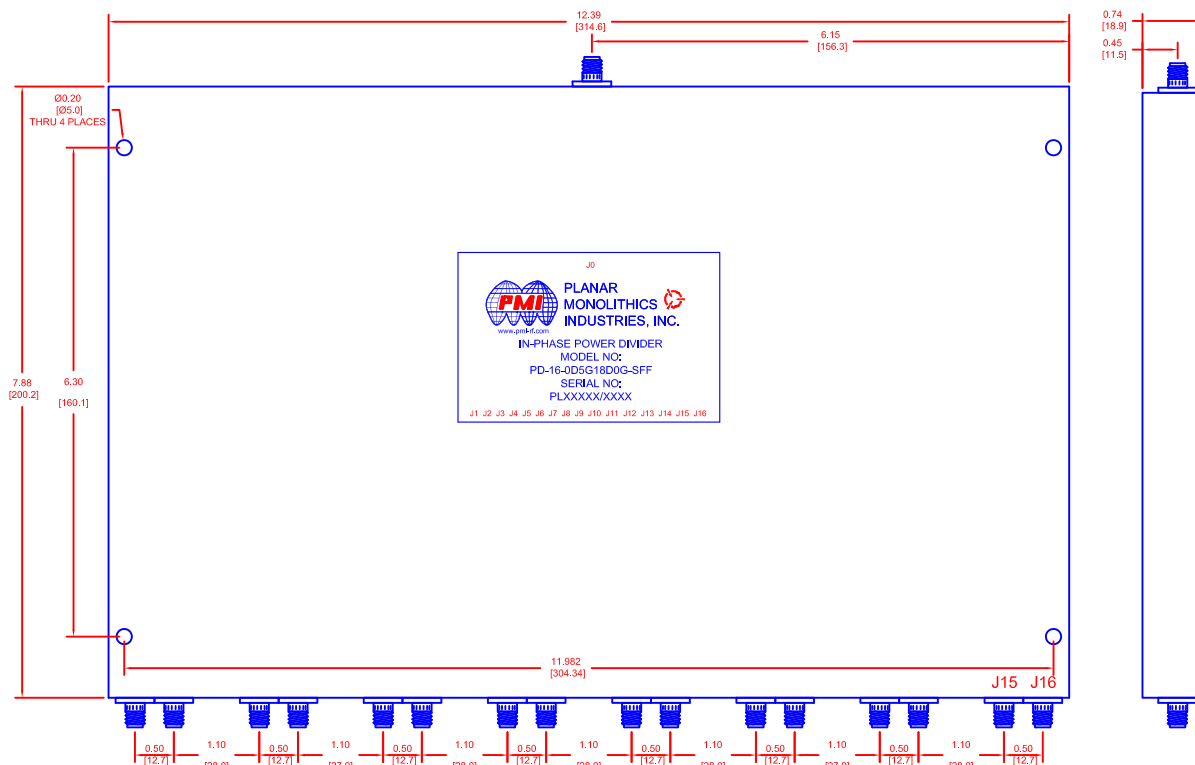
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	04/21/17	

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		JPU		PRODUCT FEATURE		
CHECKED				PD-16-0D5G18D0G-SFF		
ISSUED						
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	27032541	A1			
SCALE	N:S			SHEET	1 OF 1	