

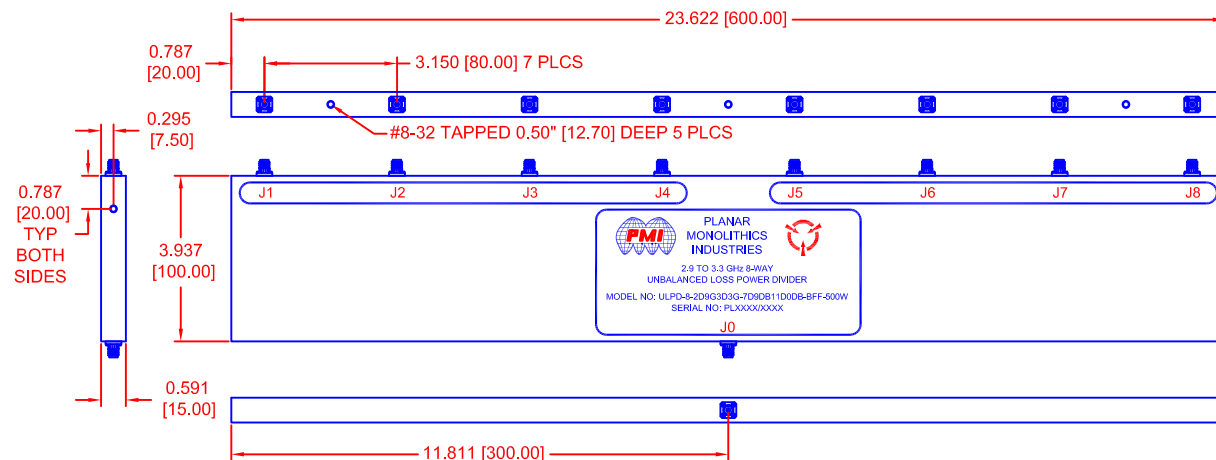
DESCRIPTION

PMI MODEL: ULPD-8-2D9G3D3G-7D9DB11D0DB-BFF-500W IS AN 8-WAY UNBALANCED LOSS POWER DIVIDER OPERATING OVER THE 2.9 TO 3.3 GHz FREQUENCY RANGE. THIS ULPD OFFERS A LOSS RANGE OF 7.94 dB TO 11.00 dB WHILE MAINTAINING A MINIMUM OF 18 dB ISOLATION. THIS MODEL HAS A POWER HANDLING OF 100 WATTS AVERAGE AND IS OUTFITTED WITH BMA & SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY: 2.9 TO 3.3 GHz
- INSERTION LOSS: SEE TABLES BELOW
- VSWR: 1.4:1 MAXIMUM
- ISOLATION: 18 dB MINIMUM
- AMPLITUDE BALANCE: ± 0.2 dB MAXIMUM
- PHASE BALANCE: $\pm 5^\circ$ MAXIMUM
- POWER HANDLING: 0.5 kW PEAK
100 W AVERAGE
- IMPEDANCE: 50 Ω
- RF CONNECTORS: INPUT: SMA FEMALE
OUTPUT: BMA FEMALE
- SIZE: 23.62" x 3.94" x 0.59"
600 mm x 100 mm x 15 mm
- WEIGHT: 1.34 lbs [21.4 oz] MAXIMUM
- FINISH: CHEMICAL FILM, YELLOW
CLASS 3 PER MIL-C-5541

MECHANICAL OUTLINE



INSERTION LOSS TABLE (STANDARD)

CONNECTOR	J1	J2	J3	J4	J5	J6	J7	J8
INSERTION LOSS (dB)	-7.94+(-0.5)	-7.94+(-0.5)	-8.53+(-0.5)	-8.50+(-0.5)	-9.15+(-0.5)	-9.72+(-0.5)	-10.44+(-0.5)	-11.00+(-0.5)

INSERTION LOSS TABLE (MIRRORED OPTION, PART # ADD "-M")

CONNECTOR	J1	J2	J3	J4	J5	J6	J7	J8
INSERTION LOSS (dB)	-11.00+(-0.5)	-10.44+(-0.5)	-9.72+(-0.5)	-9.15+(-0.5)	-8.50+(-0.5)	-8.53+(-0.5)	-7.94+(-0.5)	-7.94+(-0.5)

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- 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 INCH [mm]
TOLERANCES:
X.XX $\pm$ 0.020 [0.508]
X.XXX $\pm$ 0.010 [0.254]

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		PRODUCT FEATURE	
DRAWN		M. Berry		11/01/16		ULPD-8-2D9G3D3G-7D9DB11D0DB-BFF-500W	
CHECKED						2.9 to 3.3 GHz Unbalanced Loss 8-Way Power Divider	
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PRELIMINARY		-	
SCALE		N:S				SHEET	
						1 OF 1	