

DESCRIPTION

PMI MODEL: ULPD-2-2D9G3D3G-0D9DB7D4DB-SFF-650W IS A 2-WAY UNBALANCED LOSS POWER DIVIDER OPERATING OVER THE 2.9 TO 3.3 GHz FREQUENCY RANGE. THIS ULPD OFFERS A LOSS RANGE OF 0.87 dB TO 7.4 dB WHILE MAINTAINING A MINIMUM OF 18 dB ISOLATION. THIS MODEL HAS A POWER HANDLING OF 130 WATTS AVERAGE AND IS OUTFITTED WITH 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: 0.65 kW PEAK
130 W AVERAGE
- IMPEDANCE: 50 Ω
- RF CONNECTORS: INPUT: SMA FEMALE
OUTPUT: SMA FEMALE
- SIZE: 4.72" x 1.58" x 0.59"
120 mm x 40 mm x 15 mm
- WEIGHT: 0.11 lbs [1.7 oz] MAXIMUM
- FINISH: CHEMICAL FILM, YELLOW
CLASS 3 PER MIL-C-5541

INSERTION LOSS (STANDARD)

CONNECTOR	J1	J2
INSERTION LOSS (dB)	-0.87+(-0.4)	-7.4+(-0.4)

INSERTION LOSS (MIRRORED) (PART # ADD "-M")

CONNECTOR	J1	J2
INSERTION LOSS (dB)	-7.4+(-0.4)	-0.87+(-0.4)

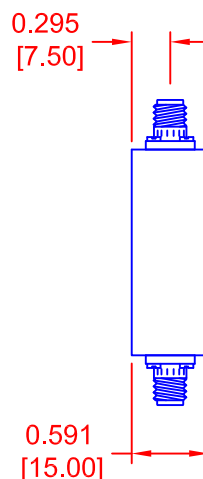
ENVIRONMENTAL RATINGS

- 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

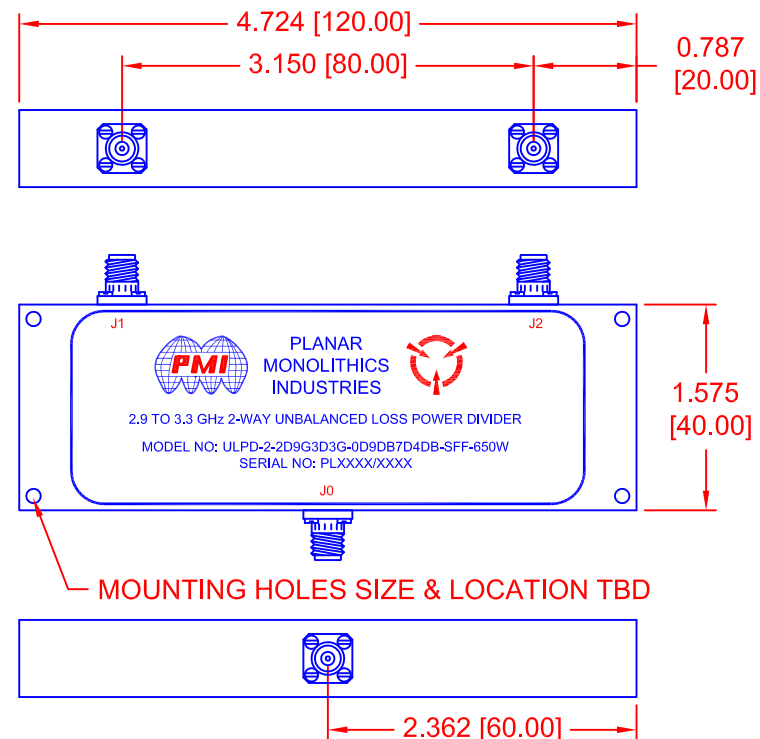
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY



ALL DIMENSIONS
ARE IN INCH [mm]
TOLERANCES:
X.XX ± 0.020 [0.508]
X.XXX ± 0.010 [0.254]

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		M. Berry		11/01/16	
CHECKED					
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	

PRODUCT FEATURE

ULPD-2-2D9G3D3G-0D9DB7D4DB-SFF-650W

2.9 to 3.3 GHz 2-Way Unbalanced Loss Power Divider