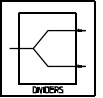


0° POWER DIVIDER / COMBINER

6 to 18 GHz / 3-Way / Excellent Phase & Ampli. Bal. / Low Insertion Loss / High Isolation / SMA



PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, GHz.	Insertion Loss, dB Max.	Phase Balance, Max.	Amplitude Balance, dB, Max.	Isolation, dB, Min.	Profile Thickness, In., Max.	Weight, oz. (g) Nom.	CW Input, Max., With VSWR _{out} 1.2:1	2.0:1	∞
PDM-33-12G	6.0 - 18.0	0.7	8°	0.4	20	0.420	2.5(70)	30W	10W	1W
PDML-33-12G	6.0 - 18.0	0.7	8°	0.4	20	0.250	1.5(43)	30W	10W	1W

General Notes:

1. The PDM-33-12 G provides three-way in-phase division of microwave signals in the 6 to 18 GHz range. It is one of a series of *true* multi-way Power Dividers developed to meet the demands of broadband systems requiring very low insertion loss and high output isolation. It is available in a special low profile version.

GENERAL SPECIFICATIONS

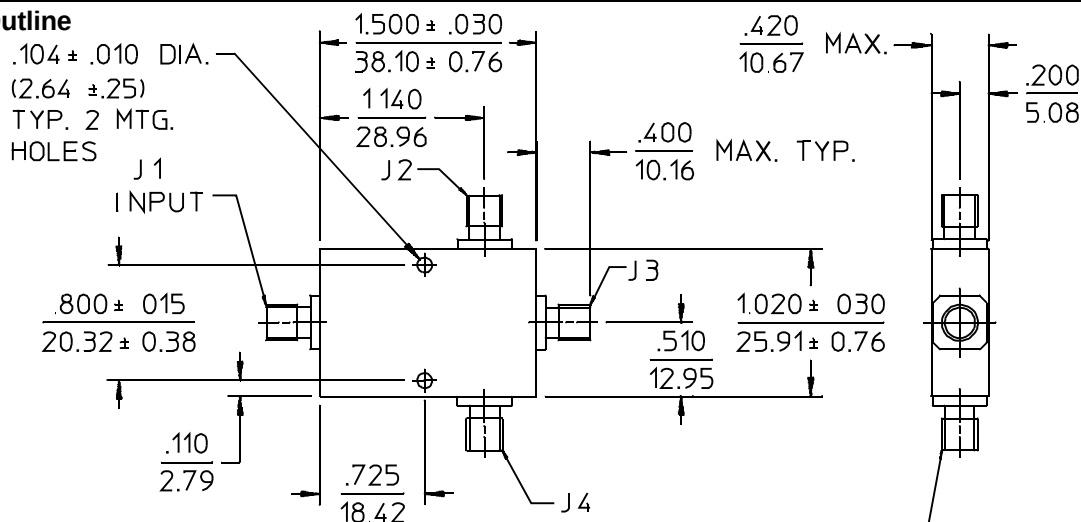
Input/Output VSWR: 1.4:1 max.

Impedance: 50 Ω nom.

Special Welded Version: EMI Screening
(Model PDML-33-12GW) >100 dBc

Operating Temperature: -55° to $+85^{\circ}\text{C}$

Package Outline



CONNECTOR, RECEPTACLE, -
FEMALE, SMA TYPE, MATES
WITH CONNECTOR, PLUG,
MALE PER MIL-C-39012
TYP. 4 PLACES

- NOTES:
1. Tolerance on 3 place decimals
±.020(.51) except as noted.
2. Dimensions in inches over mm.

19Feb96

For further information contact **MERRIMAC / 41 Fairfield Pl., West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531**