

**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 <sub>out</sub> |       |    |
|--------------|-------------------|--------------------------|---------------------|-----------------------------|---------------------|------------------------------|----------------------|--|-------|----|
|              |                   |                          |                     |                             |                     |                              |                      | 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 |

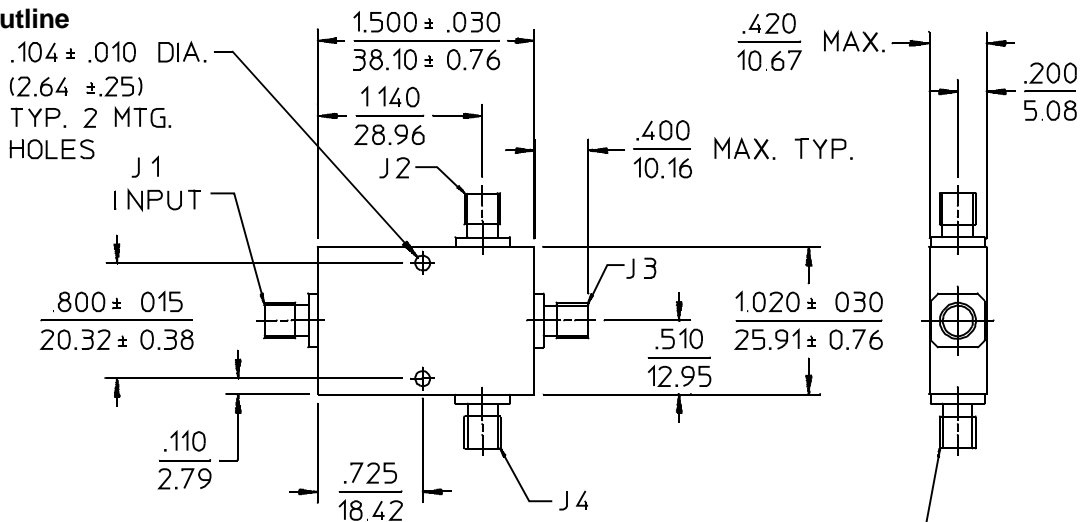
**General Notes:**

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°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