

# PDM & PDML-33-12G – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

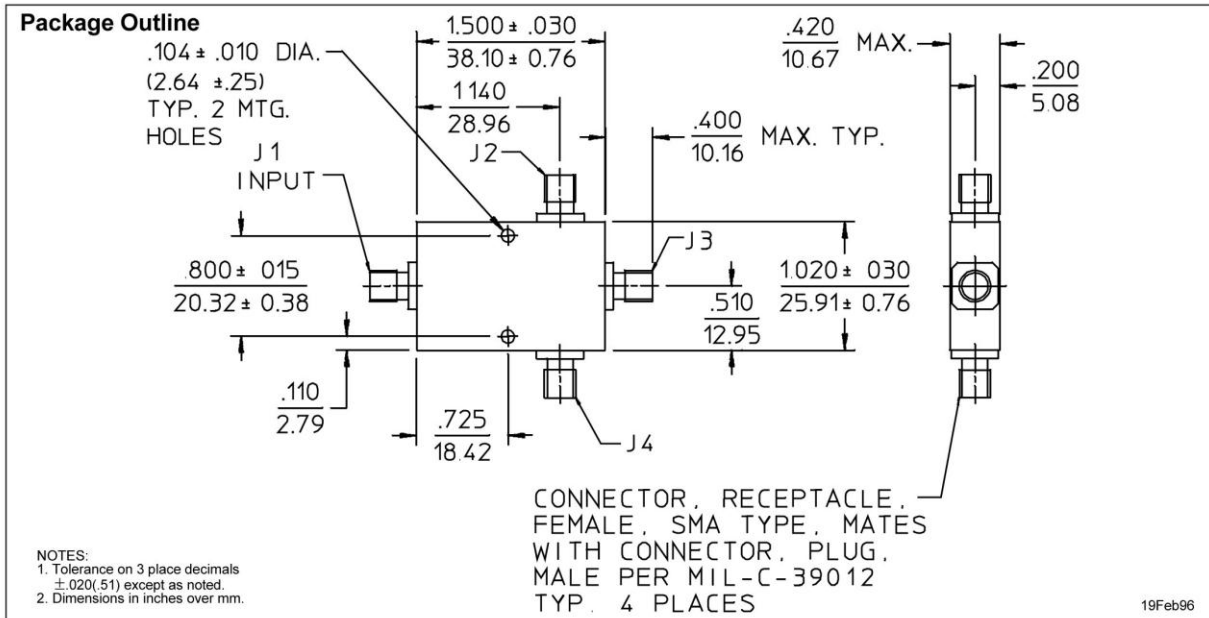
### FEATURES

- 6 to 18 GHz
- 3-way
- Excellent Phase & Amplitude Balance
- Low Insertion Loss
- High Isolation
- SMA

<b><i>PRINCIPAL SPECIFICATIONS</i></b>										
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 broad-band 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



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