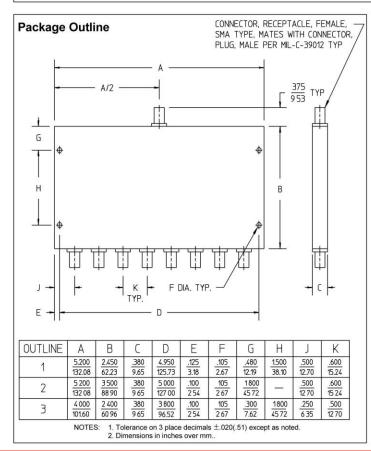
# PDM-81M Series - 0° Power Dividers/Combiners

## **TECHNICAL FEATURE**

### **FEATURES**

- 2 to 18 GHz
- 8-way
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- High Isolation
- SMA

PRINCIPAL SPECIFICATIONS									
Model Number	Frequency Range, GHz	Isolation, dB, Min.	Insertion Loss, dB, Max.	Phase Balance, Max.	Amplitude Balance, dB, Max.		WR, ax. Out	Weight, oz. (g) Nom.	Outline Dwg.
PDM-81M-3G PDM-81M-3.95G PDM-81M-6G PDM-81M-13G	2.0 - 4.0 3.6 - 4.3 4.0 - 8.0 8.0 - 18.0	18 20 20 15	1.0 0.8 0.8 2.0	5° 6° 6° 6°	0.4 0.4 0.8 0.6	1.60:1 1.35:1 1.30:1 1.60:1	1.60:1 1.35:1 1.35:1 1.50:1	8.5 (240) 12.0 (335) 8.5 (240) 6.5 (180)	1 2 1 3



# GENERAL SPECIFICATIONSImpedance: $50 \Omega$ nom.CW Input Power with: $0.21 \Omega$ Now.VSWRout of: $0.21 \Omega$ Now.VSWRout of: $0.20 \Omega$ Now.Temperature Range: $0.20 \Omega$ Now.

### **General Notes:**

- 1. The PDM-81M-G series eight- way Power Divider/Combiners covers the band from 2 to 18 GHz in four standard models with and other special models for specific, optional frequency ranges. Each unit uses a multi-section stripline Wilkinson design providing high isolation and low VSWR.
- 2. For applications below 2 GHz, Merrimac offers a complete line of lumped element power dividers found elsewhere in this catalog.
- 3. Many models are available from catalog stock for fast delivery.

9Apr96

Crane Aerospace & Electronics

Microwave Solutions – Merrimac Industries 41 Fairfield Place, West Caldwell, NJ 07006

+ 1.973.575.1300 ext. 1309 • mw@crane-eg.com

www.craneae.com/mw

