

# PDML-80A SERIES – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

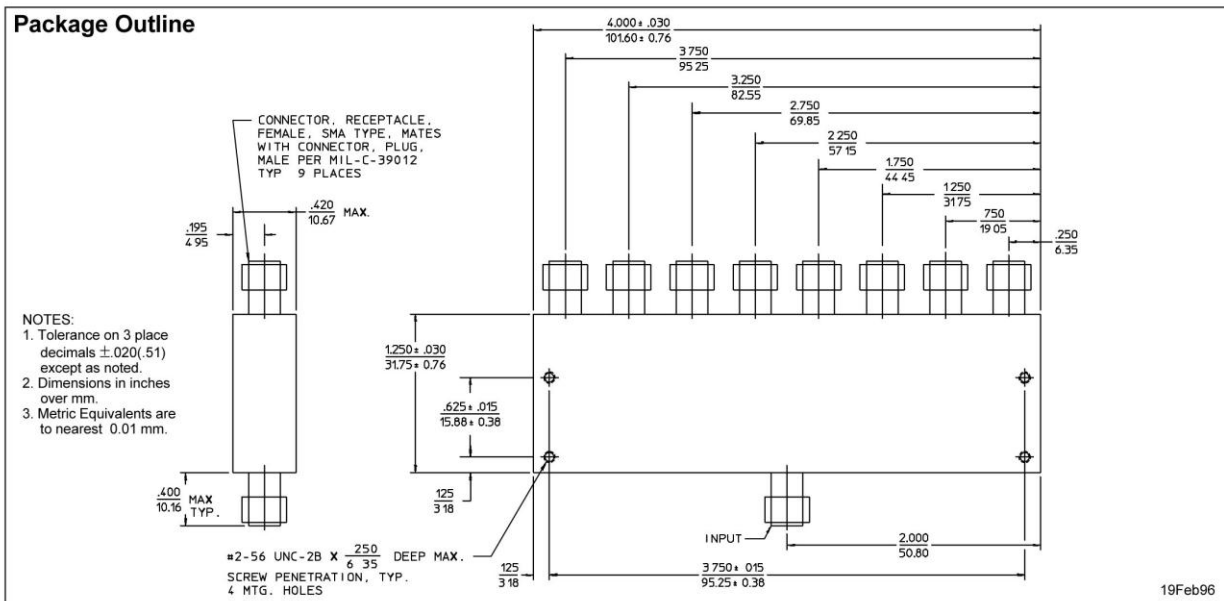
- 2 to 1000 MHz
- 8-way
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- Low Profile Package
- SMA

<b>PRINCIPAL SPECIFICATIONS</b>													
Model Number	Freq. Range, MHz	Freq. Perform., MHz	Isolation, dB		Insertion Loss, dB		Phase Balance		Amplitude Balance, dB		VSWR, Max.		Input Power,*
			Min.	Typ.	Max	Typ.	Max.	Typ.	Max.	Typ.	In	Out	
PDML-80-100	2 - 300	2 - 100	28	30	1.0	0.8	5°	2°	0.5	0.2	1.35:1	1.2:1	3 W
		100 - 300	20	25	2.0	1.5	8°	4°	0.6	0.3	1.5:1	1.3:1	
PDML-80-500	20 - 1000	20 - 1000	20	25	2.5	2.0	8°	4°	0.6	0.3	1.5:1	1.3:1	3W

\*CW input power when used as divider with 1.2:1 VSWR<sub>out</sub>

**General Notes:**  
 1. The PDML-80 series of 8-way In-Line Power Dividers/Combiners, covers 2 to 1000 MHz using a lumped element design for minimum insertion loss.

**GENERAL SPECIFICATIONS**  
 Coupling: – 9 dB nom.  
 Impedance: 50 Ω nom.  
 Internal Load Dissipation: 250 mW, max.  
 Weight, nominal: 2.5 oz. (70 g)  
 Operating Temperature: – 55° to +85°C



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