

### TECHNICAL FEATURE

### FEATURES

- .05 - 500 MHz
- 4 - Way
- Excellent Phase & Amplitude Balance
- Low Insertion Loss
- High Isolation
- SMA

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	Frequency Performance MHz	Isolation dB		Insertion Loss, dB		Phase Balance		Amplitude Balance, dB		VSWR (In/Output)		†Input Power Max.
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
PDM-40-10	.05 - 20	.05 - 20	30	33	1.0	0.8	2°	1°	0.2	0.1	1.3:1	1.15:1	1W
PDM-40-100	1 - 200	1 - 100 100 - 200	30	35	1.0	0.5	3°	1°	0.3	0.1	1.3:1	1.15:1	2W
PDM-40-250	10 - 500	10 - 500	25	30	1.25	0.8	4°	2°	0.4	0.2	1.5:1	1.3:1	2W

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

### GENERAL NOTES

1. The PDM-40 series of 4-way in-phase, side output, power dividers/combiners cover 50 kHz to 500 MHz using a high performance lumped element design to maximize the bandwidth.

### GENERAL SPECIFICATIONS

Coupling.....-6 dB nom.  
 Impedance ..... 50 Ω nom.  
 Internal Load Dissipation..... 250 mW max.  
 Weight, nominal..... 1 oz (28g)  
 Operating Temperature..... -55° to +85° C

### PACKAGE OUTLINES

