

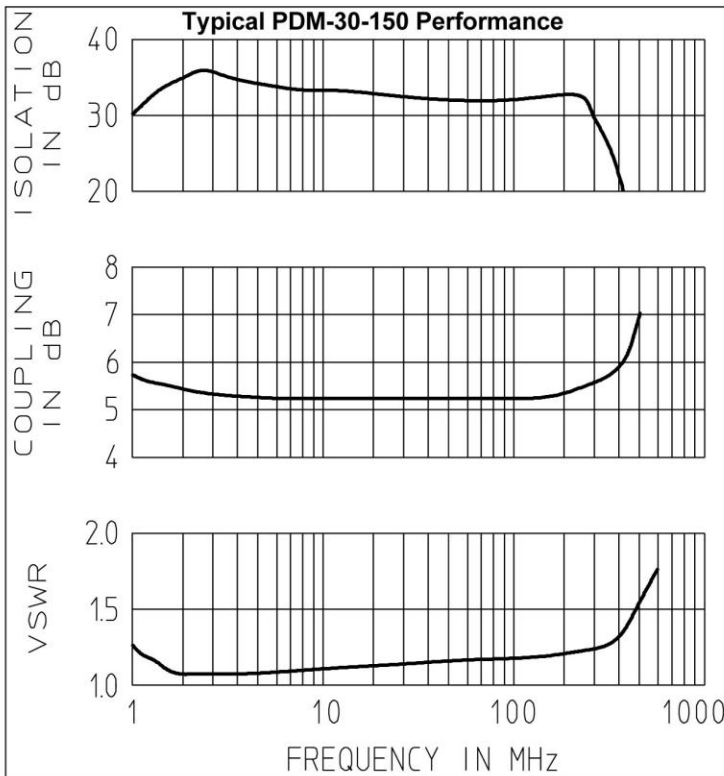
PDM-30 SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 1 to 2000 MHz
- 3-way
- Wide Bandwidth
- Low Insertion Loss
- Lumped Element Design
- SMA

<u>PRINCIPAL SPECIFICATIONS</u>												
Model Number	Freq. Range, MHz	Frequency Performance, MHz	Isolation, dB,		Insertion Loss, dB,		Phase Balance,		Amplitude Bal., dB,		VSWR (In/Output)	
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
PDM-30-50	1 - 100	1 - 100	30	33	0.6	0.3	2°	1°	0.2	0.1	1.3:1	1.25:1
PDM-30-150	1 - 300	2 - 200	27	33	1.0	0.6	3°	1°	0.3	0.1	1.3:1	1.2:1
		1 - 300	20	25	1.2	0.8	4°	2°	0.4	0.4	1.5:1	1.3:1
PDM-30-525	50 - 1000	100 - 500	25	30	1.0	0.6	6°	3°	0.5	0.3	1.3:1	1.2:1
		50 - 1000	20	25	2.0	1.5	8°	4°	0.8	0.5	1.6:1	1.4:1
PDM-30-1100	100 - 2000	100 - 2000	18	20	2.2	1.5	10°	5°	0.7	0.5	1.5:1	1.3:1



<u>GENERAL SPECIFICATIONS</u>	
Coupling:	– 4.8 dB nom.
Impedance:	50 Ω nom.
Internal Load Dissipation:	250 mW max.
CW Power Input:	1 W max.
Connectors, SMA Female:	to meet interface requirements of MIL-C-39012
Weight, nominal:	2 oz. (57 g)
Operating Temperature:	– 55° to +85°C

General Notes:

1. The PDM-30 series of 3-way In-Phase, Power Dividers/Combiners covers 1 to 2,000 MHz, using a special lumped element design to reduce size.
2. Similar units are available with up to sixteen output ports and with power capacity up to several kilowatts.

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PACKAGE OUTLINE

