

PDT-30-50 – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

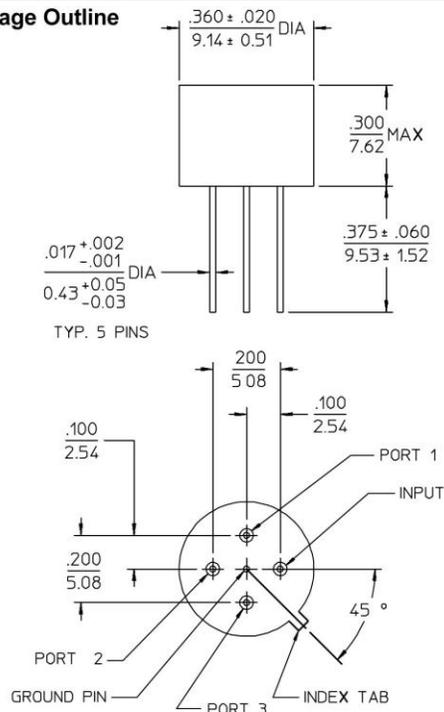
FEATURES

- 1 to 100 MHz
- 3-way
- High Output Isolation
- Low Insertion Loss
- Broadband
- TO-5 Package

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Frequency Performance, MHz	Isolation, dB		Insertion Loss, dB		Phase Balance, °		Amplitude Balance		VSWR (In/Output)	
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
PDT-30-50	1 - 100	1 - 100	30	32	0.5	0.3	2°	1°	0.2	0.1	1.3:1	1.15:1

Package Outline



NOTES: 1. Tolerance on 3 place decimals $\pm 0.10(25)$ except as noted.
2. Dimensions in inches over millimeters.

GENERAL SPECIFICATIONS

Coupling:	– 4.8 dB nom.
Impedance:	50 Ω nom.
Internal Power Dissip.:	50 mW
Average Power:	1 Watt max.
Package Type:	TO-5
Weight, nominal:	0.1 oz. (2.8 g)
Operating Temperature:	– 55° to +85°C

General Notes:

1. The PDT-30-50 3-way Power Divider/Combiner covers a broad frequency range from 1 to 100 MHz using a special lumped element design to reduce the size to a minimum.
2. This design is suitable for those applications where high performance and minimum size is essential.

19Feb96

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