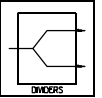


PDT-30-50

0° POWER DIVIDER/COMBINER

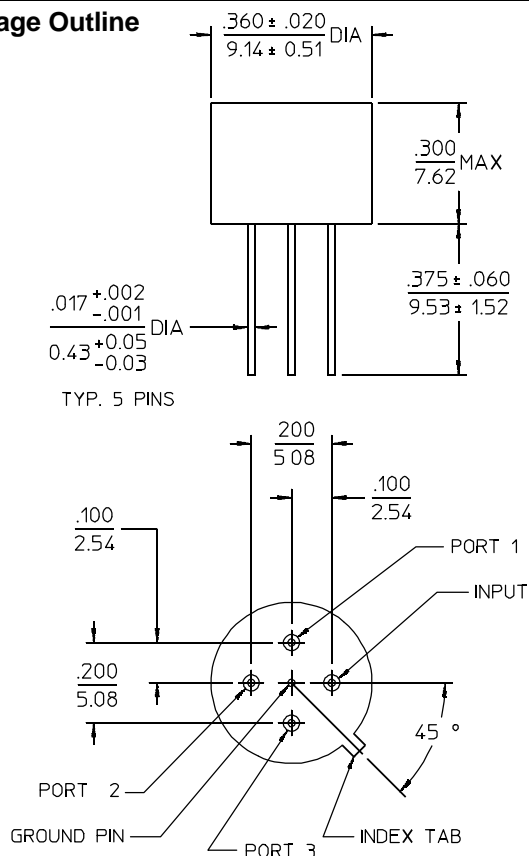
1 to 100 MHz / 3-way / Broadband / High Output Isolation / Low Insertion Loss/ TO-5 Package



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 $\pm 0.010(.25)$ 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