

P-112 & P-152 – 0° POWER DIVIDERS/COMBINERS

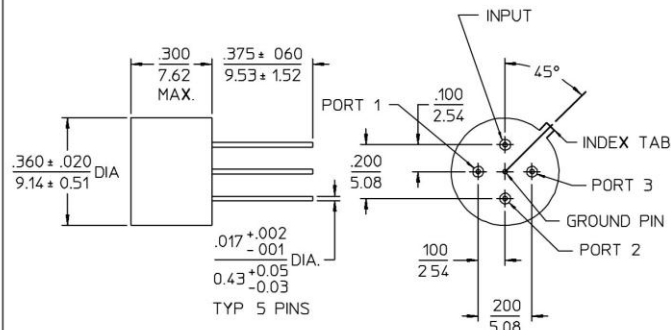
TECHNICAL FEATURE

FEATURES

- 1 to 400 MHz
- 3-way
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- Broadband
- TQ-5

PRINCIPAL SPECIFICATIONS													
Model Number	Freq. Range, MHz	Frequency Performance, MHz	Isolation, dB		Insertion Loss, dB		Phase Balance, °		Amplitude Bal., dB		VSWR (In/Output)		Internal Load Dissip.
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
P-112	1 - 200	1 - 100	25	30	1.2	0.7	3°	2°	0.3	0.2	1.3:1	1.2:1	35 mW
		100 - 200	25	30	1.2	0.7	5°	3°	0.5	0.3	1.5:1	1.3:1	
P-152	50 - 400	50 - 300	25	30	1.0	0.6	3°	2°	0.3	0.2	1.3:1	1.2:1	35 mW
		300 - 400	20	25	1.5	1.0	5°	3°	0.5	0.3	1.5:1	1.3:1	

Package Outline of P-112/P-152



NOTES:
 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
 2. Dimensions in inches over millimeters.

General Notes:

1. The P-112/P-152 series 3-way Power Divider/Combiners cover a broad frequency range from 1 to 400 MHz using a special lumped element design to reduce the size to an absolute minimum.
2. These units are well suited to applications where high performance is required in a compact package.

16Feb96

GENERAL SPECIFICATIONS

Coupling: – 4.8 dB nom.
 Impedance: 50 Ω nom.
 CW Input Power: 1 Watt max.
 (When used as divider with 1.2:1 VSWR_{out})
 Weight, nominal: 0.1 oz (2.8 g).
 Operating Temperature: – 55° to +85°C

