P-110, P-149 & PDT-20-50

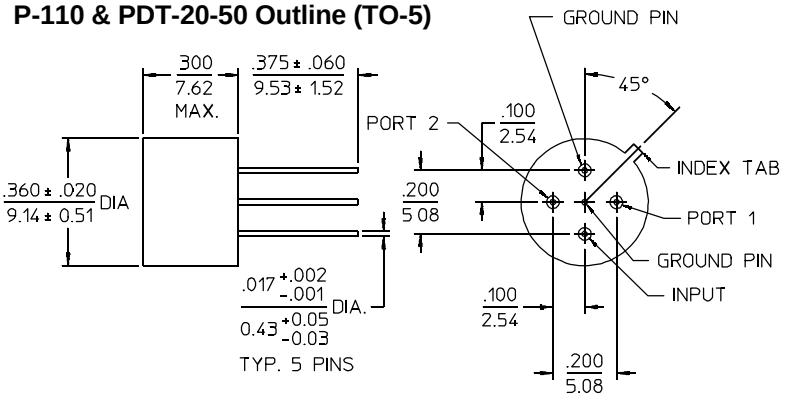
0° POWER DIVIDERS / COMBINERS

1 to 500 MHz / 0.1 dB Balance Typical / 2-Way / Low Insertion Loss / High Isolation / TO-5 & TO-8

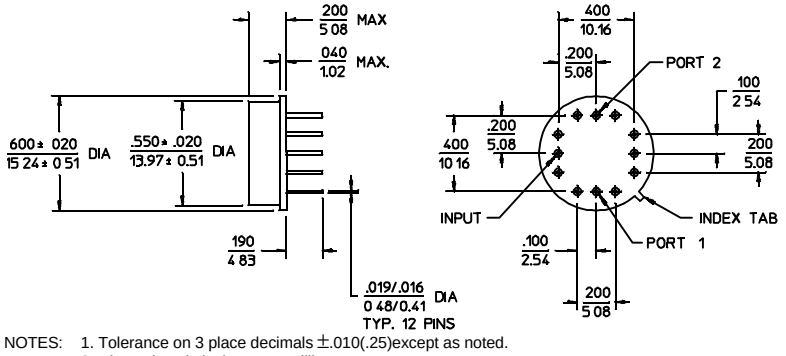
PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, MHz	Frequency Performance, MHz	Isolation, dB, Min.	Isolation, dB, Typ.	Insertion Loss, dB, Max.	Insertion Loss, dB, Typ.	Phase Balance, Max.	Phase Balance, Typ.	Amplitude Balance, dB, Max.	Amplitude Balance, dB, Typ.	VSWR (In/Output) Max.	VSWR (In/Output) Typ.	Internal Load Rating
PDT-20-50	1 - 100	1 - 100	30	33	0.5	0.25	2°	1°	0.2	0.1	1.3:1	1.10:1	50 mW
P-110	5 - 500	5 - 500	20	25	1.0	0.7	2°	1°	0.2	0.1	1.5:1	1.25:1	50 mW
		20 - 200	25	32	0.6	0.3	2°	1°	0.2	0.1	1.3:1	1.10:1	
P-149	5 - 500	5 - 500	20	25	1.0	0.7	2°	1°	0.2	0.1	1.5:1	1.25:1	125 mW
		20 - 200	25	32	0.6	0.3	2°	1°	0.2	0.1	1.3:1	1.10:1	

P-110 & PDT-20-50 Outline (TO-5)



P-149 Package Outline (TO-8)



NOTES: 1. Tolerance on 3 place decimals ±.010(.25)except as noted.
2. Dimensions in inches over millimeters
3. All unmarked pins are internally grounded..

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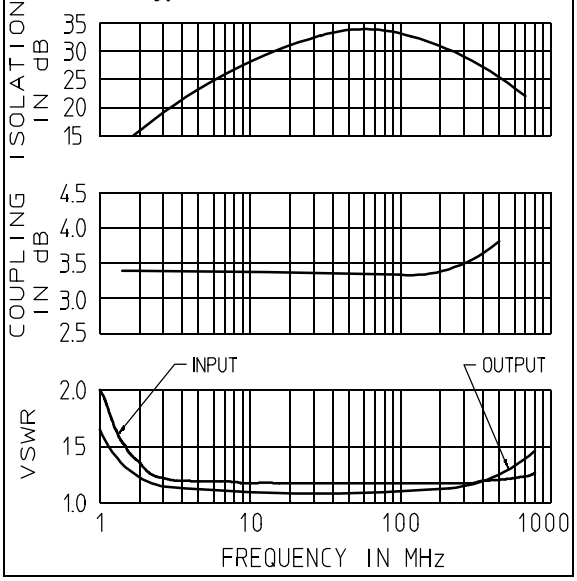
GENERAL SPECIFICATIONS

Impedance:		50 Ω nom.
CW Input Power:		1 W max. (When used as divider with 1.2:1 $VSWR_{out}$)
Weight, nominal:	TO-5:	0.1 oz. (2.8 g)
	TO-8:	0.14 oz. (4 g)
Operating Temp. Range:		-- 55° to +85°C

Typical P-110 & P-149 Performance



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