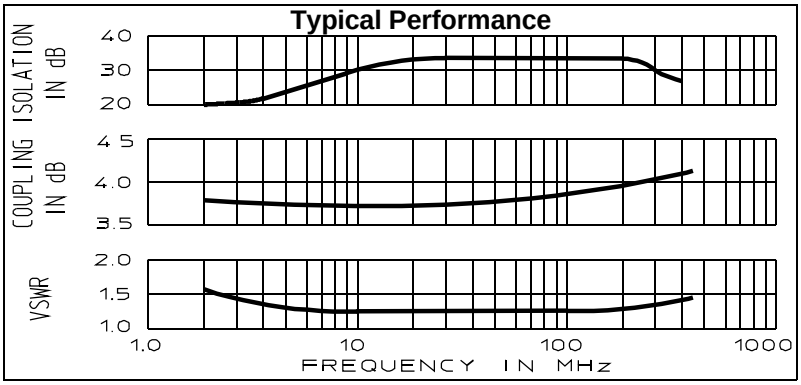
P-111 0°/180°POWER DIVIDER / COMBINER

5 to 300 MHz / High Output Isolation / Low Insertion Loss / Lumped Element Circuit / TO-5 Package

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Performance Bandwidth, MHz	Isolation, dB, Min.	Insertion Loss, dB, Max.	Amplitude Balance, dB, Max.	Phase Balance 0°/180°	VSWR Max.
P-111	5 - 300	10 - 100	25	1.0	0.3	± 3°	1.35:1
		5 - 300	20	1.5	0.5	± 5°	1.5:1

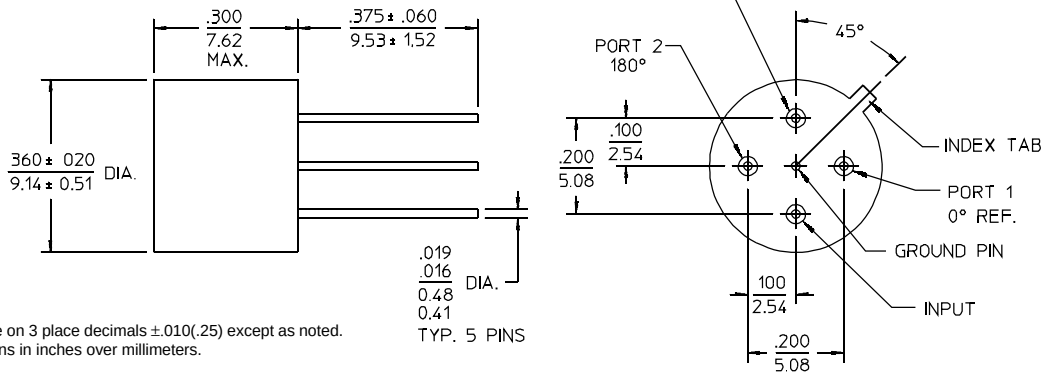
Typical Performance



GENERAL SPECIFICATIONS

Coupling:	– 3 dB nom.
Impedance:	50 Ω nom.
CW Input:	1 Watt max.
Internal Dissipation:	35 mW max.
Weight, nominal:	0.1 oz (2.8 g)
Operating Temp:	– 55° to +85°C

Package Outline



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

General Notes:

1. The P-111 is a 0°/180° hybrid covering 5 to 300 MHz using a special high performance lumped element circuit. The P-111 has an internally terminated H arm providing a three port, two-way, out-of-phase power divider. The compact TO-5 package is desirable in applications where space is critical.

2. These units comply with MIL-P-23971 and can be supplied screened for compliance with additional specifications for military and aerospace applications requiring the highest reliability.

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