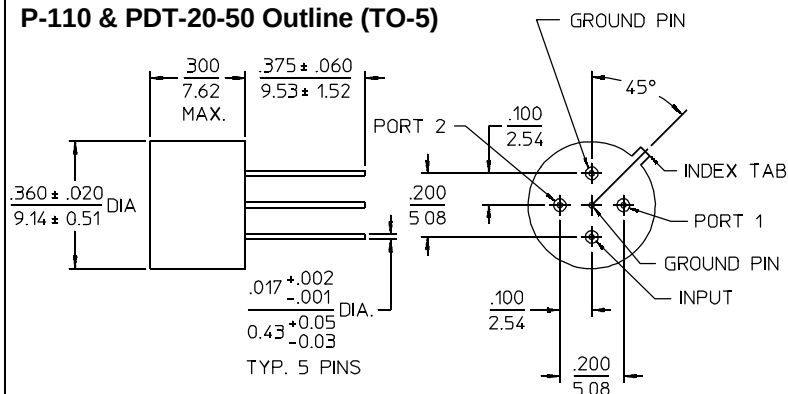


### PRINCIPAL SPECIFICATIONS

| Model Number | Freq. Range, MHz | Frequency Performance, MHz | Isolation, dB, Min. Typ. | Insertion Loss, dB, Max. Typ. | Phase Balance, Max. Typ. | Amplitude Balance, dB, Max. Typ. | VSWR (In/Output) Max. 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                |
| P-149        | 5 - 500          | 20 - 200                   | 25 32                    | 0.6 0.3                       | 2° 1°                    | 0.2 0.1                          | 1.3:1 1.10:1               |                      |
|              |                  | 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               |                      |

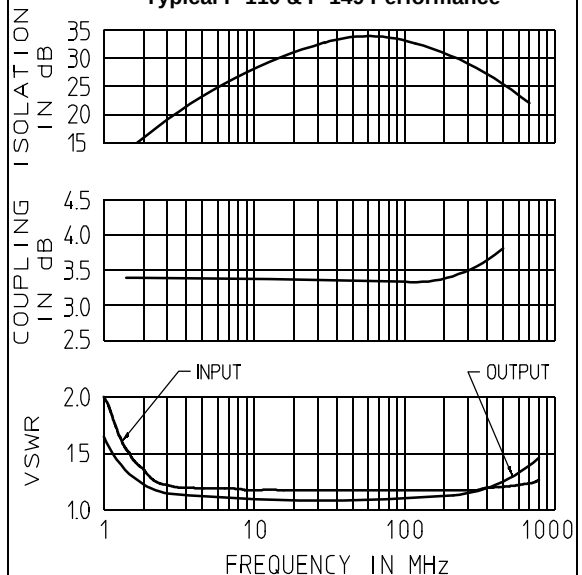
#### P-110 & PDT-20-50 Outline (TO-5)



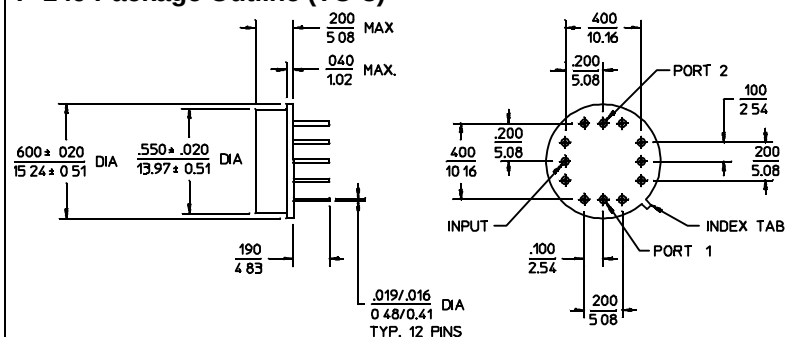
### GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.  
 CW Input Power: 1 W max.  
 (When used as divider with 1.2:1 VSWR<sub>out</sub>)  
 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



#### 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..

16Feb96