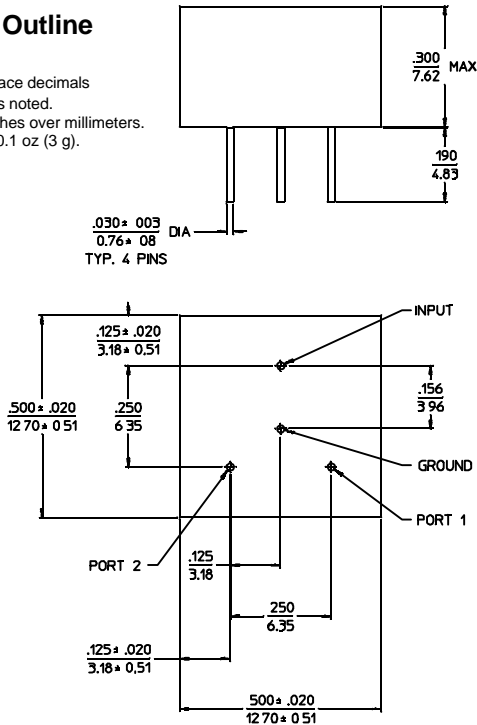


PRINCIPAL SPECIFICATIONS

| Model Number | Freq. Range, MHz | Frequency Perform., MHz | Isolation, dB | | Insertion Loss, dB | | Phase Balance | | Amplitude Bal., dB | | VSWR (In/Output) | | Internal Load Power Dissipation |
|--------------|------------------|-------------------------|---------------|------|--------------------|------|---------------|------|--------------------|------|------------------|-------|---------------------------------|
| | | | Min. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | |
| 113A | 10 - 500 | 10 - 200 | 20 | 25 | 0.7 | 0.3 | 2° | 1° | 0.2 | 0.1 | 1.5:1 | 1.2:1 | 125 mW |
| | | 200 - 500 | 20 | 25 | 1.0 | 0.7 | 2° | 1° | 0.2 | 0.1 | 1.5:1 | 1.2:1 | |
| 113B | 0.5 - 200 | 0.5 - 200 | 25 | 30 | 0.7 | 0.4 | 2° | 1° | 0.2 | 0.1 | 1.5:1 | 1.2:1 | 250 mW |
| | | 1 - 100 | 25 | 30 | 0.5 | 0.25 | 2° | 1° | 0.2 | 0.1 | 1.5:1 | 1.2:1 | |

Package Outline

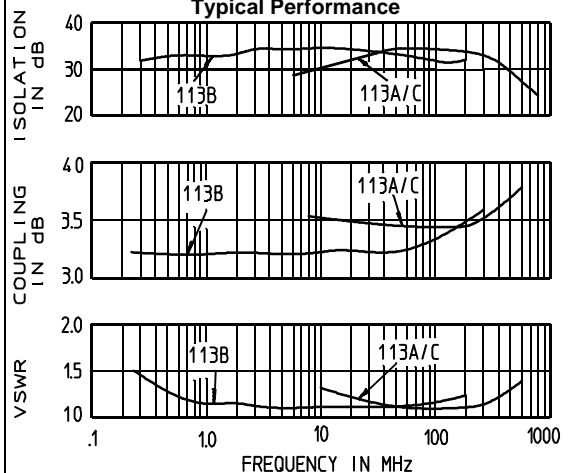
- NOTES:
 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
 2. Dimensions in inches over millimeters.
 3. Nominal Weight: 0.1 oz (3 g).



GENERAL SPECIFICATIONS

- Coupling: - 3 dB nom.
 Impedance: 50 Ω nom.
 CW Input Power: 1 W max.
 (When used as divider with 1.2:1 VSWR_{out})
 Operating Temperature: - 55° to +85°C

Typical Performance



General Notes:

- The 113A and 113B series of power dividers/combiners covers a broad frequency range of 500 kHz to 500 MHz.
- The square header and relay header packages used in this series are suitable for applications emphasizing high performance and limited PC board space.