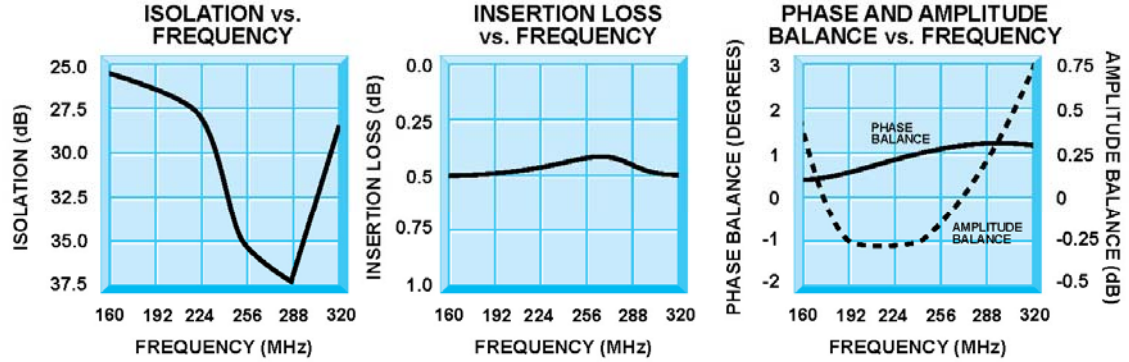




# J4-40002 / 40003 / 40004

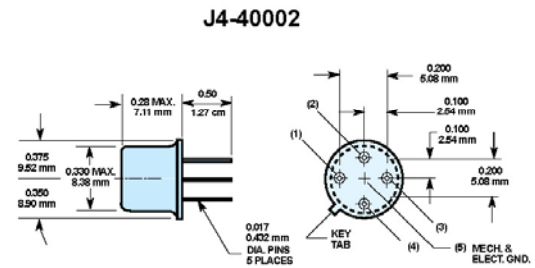
## 160 to 320 MHz Quadrature Hybrids



**Guaranteed Specifications (-54° to +85°C)**

|                   |                |
|-------------------|----------------|
| Frequency Range   | 160 to 320 MHz |
| Isolation         | 20 dB Min.     |
| Insertion Loss    | 0.75 dB Max.   |
| VSWR              | 1.3:1 Max.     |
| Phase Balance     | ±4° Max.       |
| Amplitude Balance | ± 0.75 dB Max. |
| Impedance         | 50 Ohms        |
| Power Handling    | 3 Watts Max.   |

### Mechanical Outline

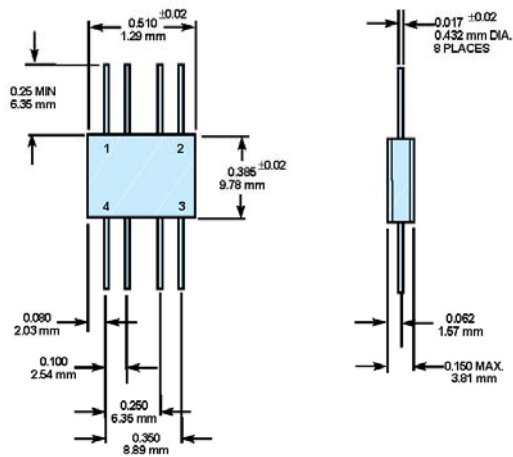


### Truth Table

| OUT \ IN | 1    | 2    | 3    | 4    |
|----------|------|------|------|------|
| 1        | X    | ISOL | 0°   | -90° |
| 2        | ISOL | X    | -90° | 0°   |
| 3        | 0°   | -90° | X    | ISOL |
| 4        | -90° | 0°   | ISOL | X    |

**J4-40003**

Additional Mechanical Outlines on next page



**J4-40004**

