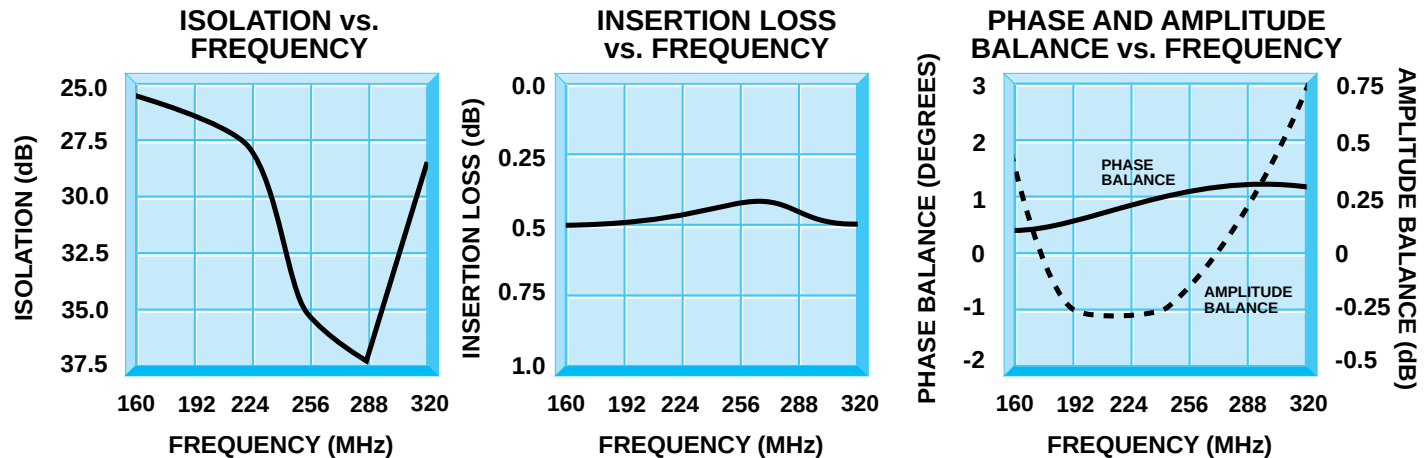


J4-40002 / 40003 / 40004

160 to 320 MHz Quadrature Hybrids

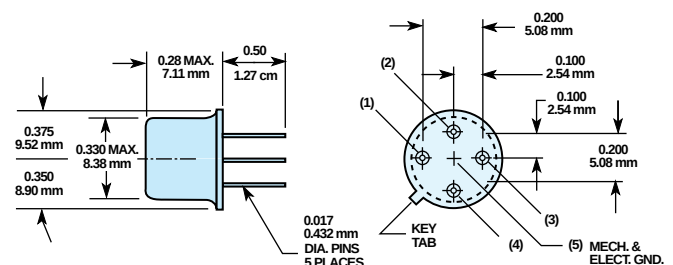


Guaranteed Specifications (-54° to +85°C)

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

J4-40002



Additional Mechanical Outlines on next page

Truth Table

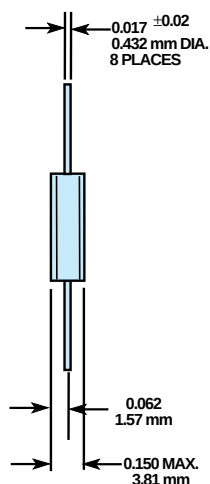
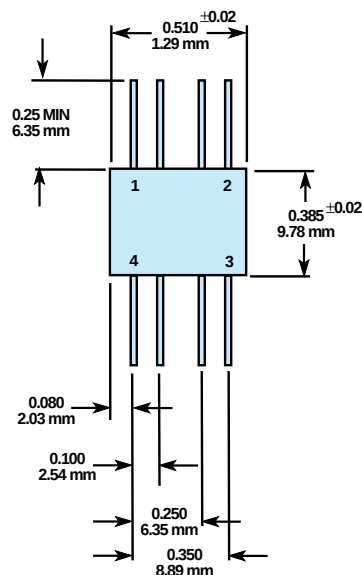
OUT IN	1	2	3	4
1	X	ISOL	0°	-90°
2	ISOL	X	-90°	0°
3	0°	-90°	X	ISOL
4	-90°	0°	ISOL	X

SIGNAL
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160 to 320 MHz Quadrature Hybrids

J4-40003



Technical drawing of the probe head assembly, showing side and top views with dimensions and tolerances.

Side View Dimensions:

- Overall width: 0.170 MAX.
- Width of the central section: ± 0.002
- Width of the side section: -0.0005
- Width of the base section: 0.010
- Material: KOVAR
- Material: ALUMINA

Top View Dimensions:

- Overall width: 0.510
- Width of the central section: 0.430
- Width of the side section: 0.305
- Width of the base section: 0.205
- Width of the base section: 0.080
- Width of the base section: 0.050
- Width of the base section: ± 0.010
- Width of the base section: -0.000
- Width of the base section: ± 0.002
- Width of the base section: 0.016
- Width of the base section: 4 PLACES
- Material: ALUMINA

OUT IN	1	2	3	4
1		ISOL	0°	-90°
2	ISOL		-90°	0°
3	0°	-90°		ISOL
4	-90°	0°	ISOL	