

# J4-40001 QUADRATURE HYBRID

## TECHNICAL FEATURE

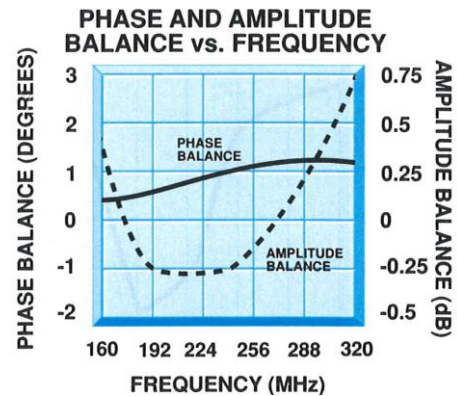
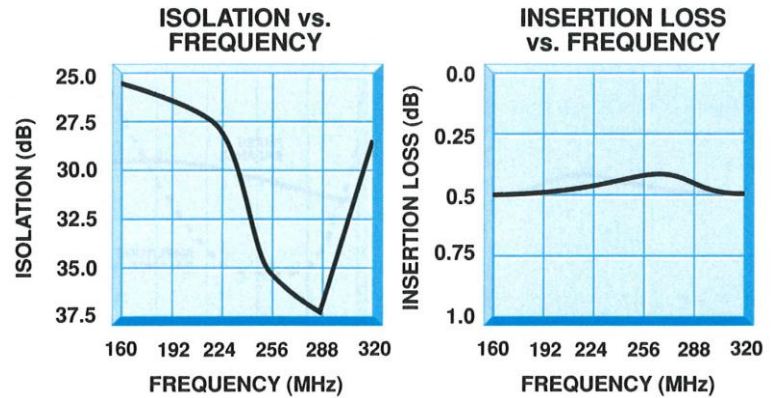
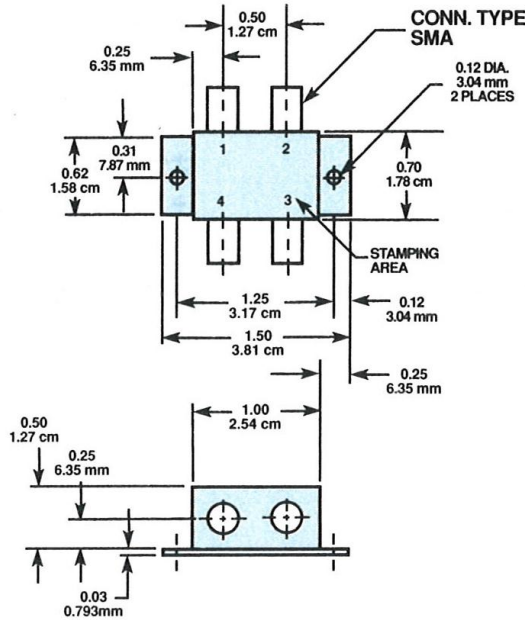
### FEATURES

- 160 to 320 MHz

### PERFORMANCE

Frequency Range.....	160 - 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
Operating Temperature Range.....	-54 to +85° C

### 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

**Crane Aerospace & Electronics**  
 Microwave Solutions – Signal Technology  
 28 Tozer Road, Beverly, MA 01915  
 +1.978.524.7200 • [mw@crane-eg.com](mailto:mw@crane-eg.com)  
[www.craneae.com/mw](http://www.craneae.com/mw)

