

## 90 Degree Coupler: 8000 – 12000 MHz., 50 Watt, SMD

### ELECTRICAL SPECIFICATIONS:

Frequency.....	8000 – 12000 MHz.
Power .....	50 Watts CW
VSWR .....	1.35:1
Insertion Loss .....	<0.3 dB
Isolation .....	>17 dB
Phase Balance .....	+/- 6 Degrees
Amplitude Balance .....	+/- 0.55 dB
Operating Temperature.....	-55° to 85° C
Package Size .....	0.200" x 0.250" x 0.069"
Export Classification .....	EAR99



### APPLICATIONS:

Test and Measurement

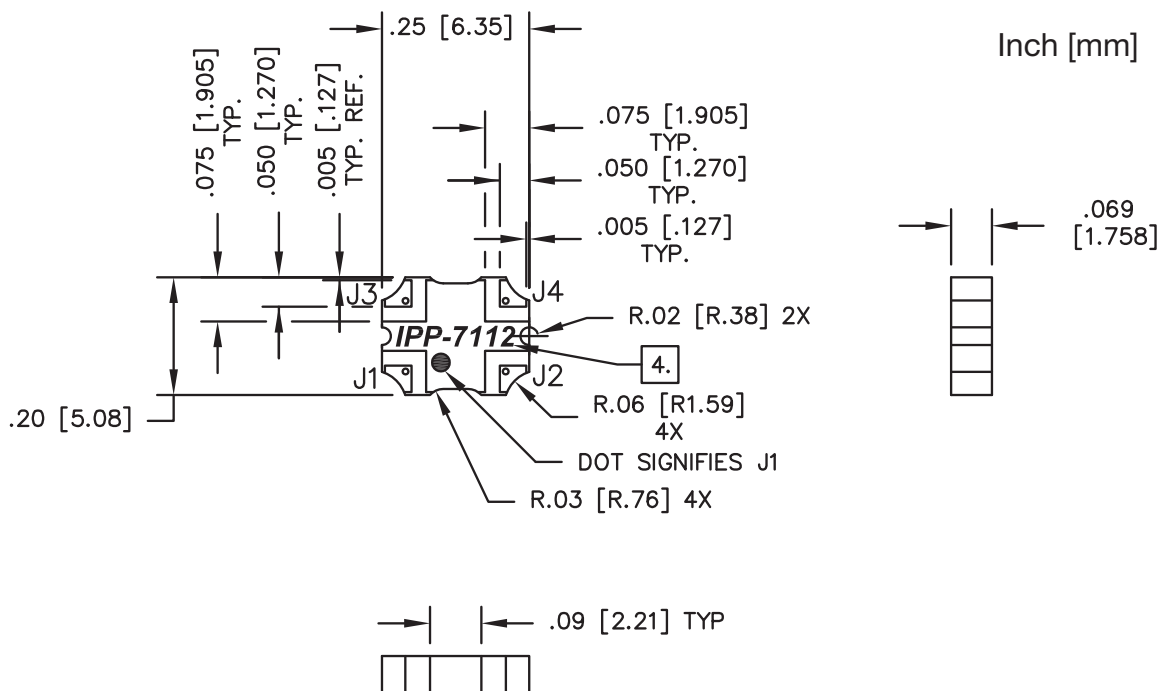
### NOTES:

Plating for standard product is Tin/Lead.

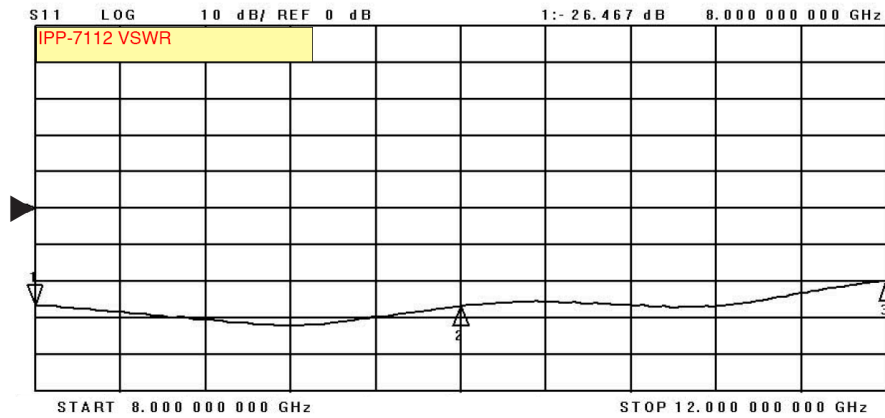
Also available in RoHS Matte Tin (IPP-7112RT) and RoHS Nickel Gold (IPP-7112RG).

All models available on tape and reel.

### DIMENSIONAL DRAWING



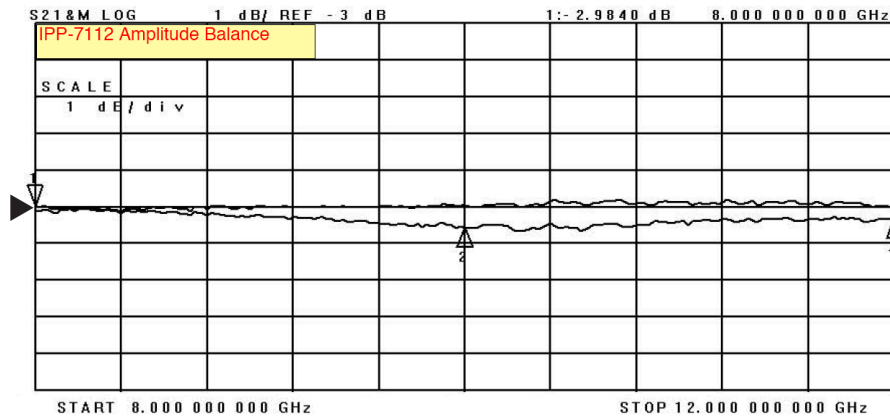
**VSWR**



Markers

1:	-26.467 dB	8.0000 GHz
2:	-26.695 dB	10.0000 GHz
3:	-19.708 dB	12.0000 GHz

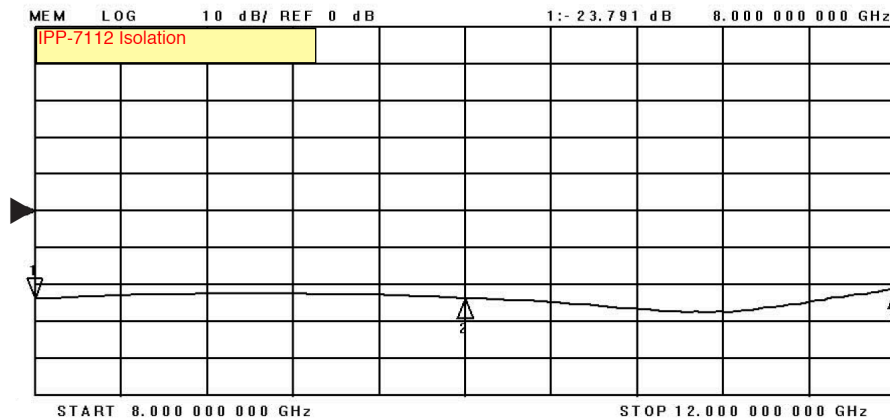
**Amplitude Balance**



Markers

1:	-2.9840 dB	8.0000 GHz
2:	-3.5610 dB	10.0000 GHz
3:	-3.2960 dB	12.0000 GHz

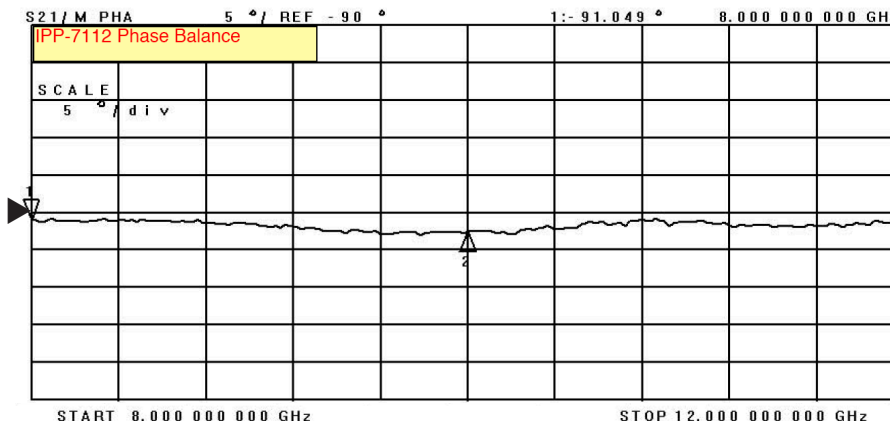
**Isolation**



Markers

1:	-23.791 dB	8.0000 GHz
2:	-23.634 dB	10.0000 GHz
3:	-21.007 dB	12.0000 GHz

**Phase Balance**



Markers

1:	-91.049°	8.0000 GHz
2:	-92.433°	10.0000 GHz
3:	-91.288°	12.0000 GHz