

"High Frequency Ceramic Solutions"

869 MHz Directional Coupler

P/N 0869CP14A090

Detail Specification 02/19/2003

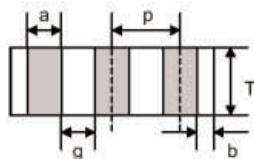
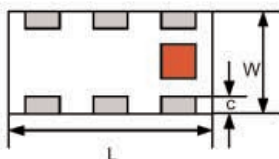
Page 1 of 2

| Part Number | Frequency (MHz) | Insertion Loss | Return Loss | Coupling | Isolation |
|---------------|-----------------|----------------|--------------|---------------|--------------|
| 0869CP14A090_ | 824 - 915 | 0.30 dB max | 15.6 dB min. | 17.0 ± 1.0 dB | 26.0 dB min. |

| Input Power | Impedance | Operating Temperature Range | Reel Qty |
|-------------|-----------|-----------------------------|----------|
| 3 Watts max | 50 Ω | -40 to +85°C | 4000 |

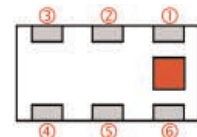
Mechanical Dimensions

| | L | W | T | a | b | c | g | p |
|--------|--------------|--------------|--------------|-------------|---------------------|-------------|--------------|--------------|
| Inches | 0.063 ± .004 | 0.032 ± .004 | 0.024 ± .004 | .008 ± .004 | 0.008 ± .004/-0.006 | .006 ± .004 | 0.012 ± .004 | 0.020 ± .002 |
| mm | 1.6 ± 0.1 | 0.80 ± 0.1 | 0.60 ± 0.1 | 0.20 ± 0.1 | 0.20+0.1/-0.15 | 0.15 ± 0.1 | 0.30 ± 0.1 | 0.50 ± 0.05 |



Terminal Configuration

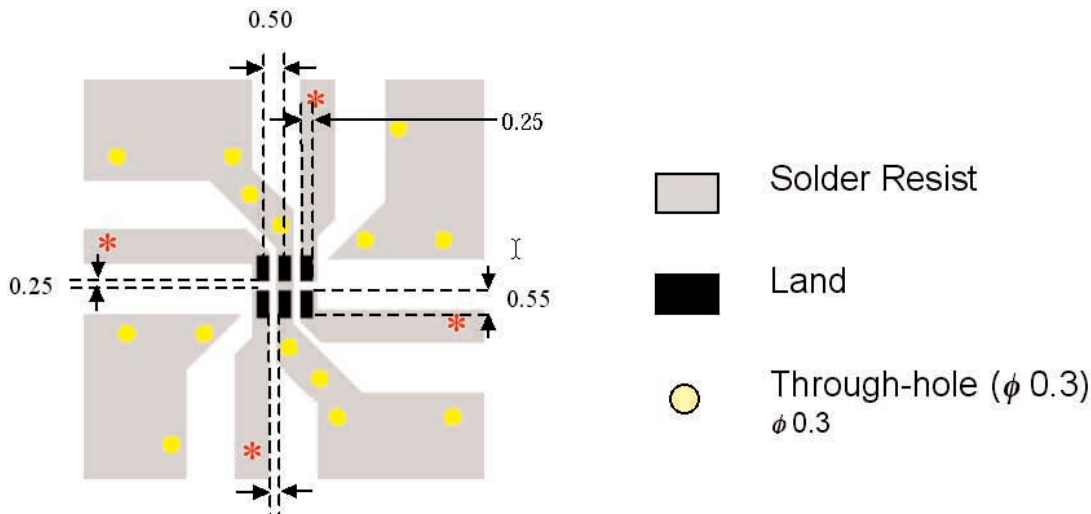
| | | | |
|---|-------------|---|-------------|
| 1 | IN | 4 | Termination |
| 2 | GND | 5 | GND |
| 3 | Coupled Out | 6 | Main Out |



Mounting Considerations

Mount these devices with brown colored side facing up. * Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

“High Frequency Ceramic Solutions”

869 MHz Directional Coupler

Detail Specification 02/19/2003

P/N 0869CP14A090

Page 2 of 2

