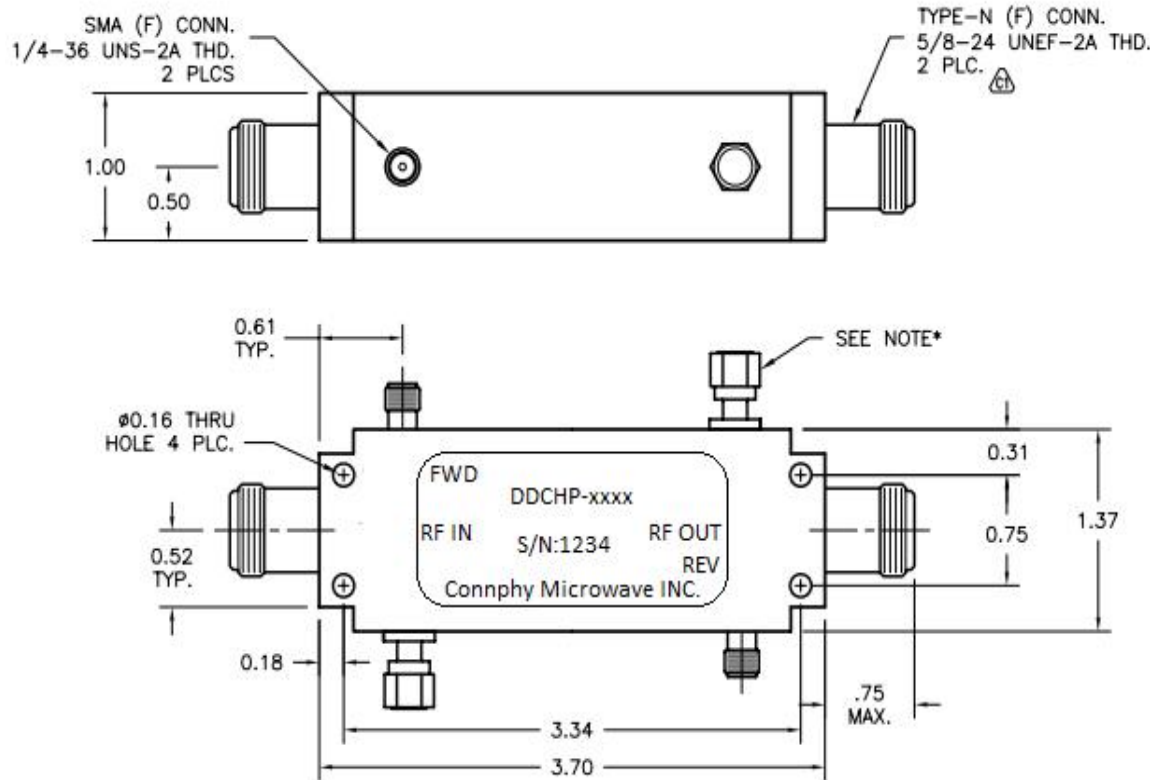


**DDCHP-2G4G-30-N** is a  $30\pm 1\text{dB}$  (40,50 optional) coupling high power dual directional coupler, designed to operate over the 2-4GHz frequency range, with compact size. This model is designed to handle 500W max input power, and also performs with low insertion loss of 0.2dB max and with coupling flatness of  $\pm 1\text{dB}$  max, and low VSWR of 1.25 max.

### Mechanical Outline(Inch):




### Specifications:

|                    |  |
|--------------------|--|
| Coupling:          | $30\pm 1\text{dB}$<br>(40,50 optional)   |
| Frequency:         | 2-4GHz                                   |
| Insertion Loss:    | 0.2dB max                                |
| Coupling flatness: | $\pm 1\text{dB}$ max                     |
| Directivity:       | 23dB min                                 |
| Power Handling:    | 500W max                                 |
| VSWR:              | 1.25:1 max                               |
| Connectors:        | In-Out: N Female<br>Coupling: SMA Female |

### Environmental Ratings:

|                    |  |
|--------------------|--|
| Temperature:       | -25°C to +71 °C Operating<br>-65 °C to +100 °C Non-Operating |
| Vibration:         | MIL-STD-202F, Method 204D Cond. B                            |
| Altitude:          | MIL-STD-202F, Method 105C Cond. B                            |
| Temperature Cycle: | MIL-STD-202F, Method 107D Cond. A                            |

| High Power Dual Directional Coupler<br>DDCHP-2G4G-30-N |                   |                      |   |
|--|-------------------|----------------------|---|
| DRAWN:   | DWG NO.:          | REV CODE:<br>Rev.1.0 | <br><a href="http://www.connphy.com">www.connphy.com</a><br><a href="mailto:sales@connphy.com">sales@connphy.com</a> |
| CHECKRD:   | DATE:<br>18/04/15 | SHEET :<br>1 OF 1    |   |
| ISSUED:  | SIZE:<br>A        | SCALE :<br>N / A     | Notes: SPEC ARE SUBJECT TO<br>CHANGE WITHOUT NOTICE.  |