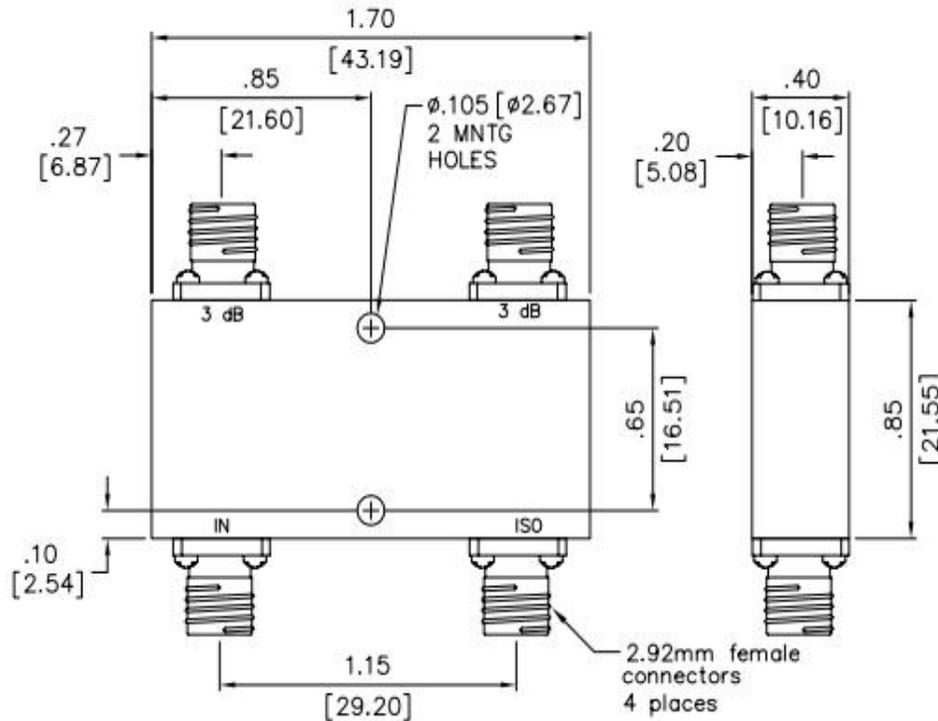


**HB-4G26.5G-90-S** is a  $4.0 \pm 1.0$  dB 90 degree hybrids Coupler, designed to operate over the 4 to 26.5 GHz frequency range, with compact size. This model is designed to handle 30W max input power, and high isolation of 14dB, good amplitude balance and phase balance, and low VSWR of 1.6 max.

**Mechanical Outline(Inch/mm):**



**Specifications:**

|                    |               |
|--------------------|---------------|
| Coupling:          | 4.0±1.0dB     |
| Frequency:         | 4 to 26.5 GHz |
| Isolation:         | 14dB min      |
| Amplitude balance: | 1.6dB max     |
| Phase balance:     | 8.0deg max    |
| Power Handling:    | 30W max       |
| VSWR:              | 1.60:1 max    |
| Connectors:        | 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                            |

| 90 Degree Hybrid Couplers<br>HB-4G26.5G-90-S |                   |                      |   |
|--|-------------------|----------------------|---|
| 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>02/09/15 | SHEET :<br>1 OF 1    |   |
| ISSUED:                                      | SIZE:<br>A        | SCALE :<br>N / A     |   |
|  |                   |                      | Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.   |