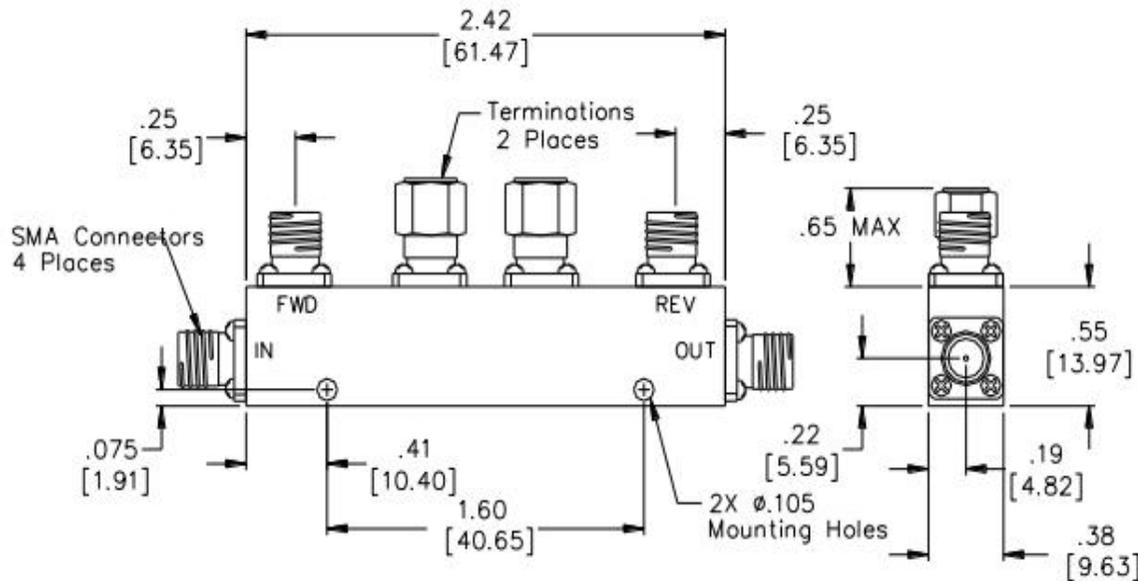


**DDC-2G4G-20-S** is a  $20\pm 1.2$ dB coupling Dual Directional Coupler, designed to operate over the 2.0-4.0GHz frequency range, with compact size. This model is designed to handle 50W mx input power, and also performs with low insertion loss of 0.5dB max and with coupling flatness of  $\pm 0.8$ dB max, and low VSWR of 1.2 max.

### Mechanical Outline(Inch/mm):



### Specifications:

|                    |            |
|--------------------|------------|
| Coupling:          | 20±1.2dB   |
| Frequency:         | 2.0-4.0GHz |
| Insertion Loss:    | 0.5dB max  |
| Coupling flatness: | ±0.8dB max |
| Directivity:       | 20dB min   |
| Power Handling:    | 50W max    |
| VSWR:              | 1.2:1 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                            |

| Dual Directional Coupler<br>DDC-2G4G-20-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>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.  |