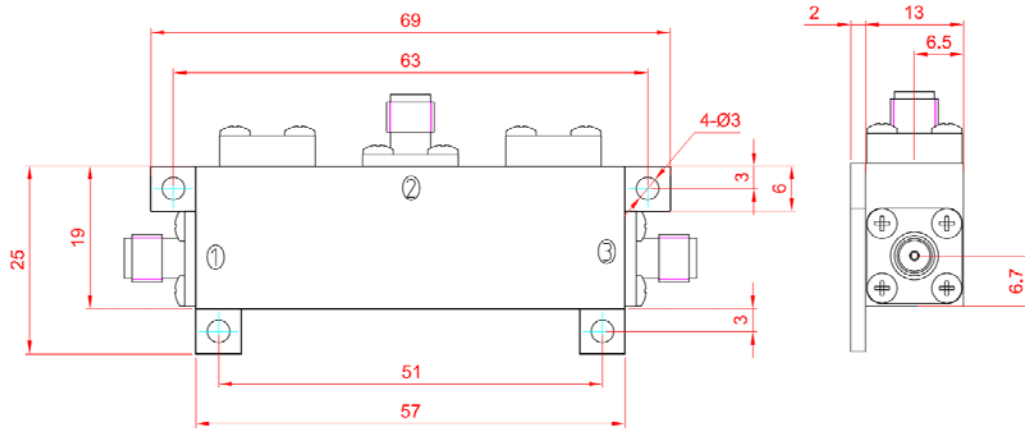


# TRIPLE JUNCTIONS CIRCULATOR--- RFLC407G4G8



TESTING PLOT NEXT PAGE

| No. | Parameter       | Minimum       | Typical | Maximum | Units |
|-----|-----------------|---------------|---------|---------|-------|
| 1   | Frequency range | 4             | -       | 8       | GHz   |
| 2   | Isolation       | 2--> 1        | 36      | -       | dB    |
|     |                 | 3--> 2        | 36      |         | dB    |
|     |                 | 3--> 1        | 36      |         | dB    |
|     |                 | 1--> 3        | 18      |         | dB    |
| 3   | Insertion Loss  | 1--> 2        | -       | 1.0     | dB    |
|     |                 | 2--> 3        |         | 1.0     | dB    |
| 4   | VSWR            | -             |         | 1.3     | -     |
| 5   | Forward Power   | -             | 10      |         | W CW  |
|     | Reverse Power   |               | 1       |         | W CW  |
| 6   | Operating       | -20           | -       | +70     | °C    |
| 7   | Impedance       | -             | 50      | -       | Ω     |
| 8   | Finish          | Nickel Plated |         |         |       |

| 1.0 | Mechanical Specifications |                     |
|-----|---------------------------|---------------------|
| 1.1 | Connector                 | SMA (N-option)      |
| 1.2 | External Finish           | Conductive no paint |
| 1.3 | Rotation                  | P1→ P2 →P3          |

| 2.0 | Environment specifications |                                   |
|-----|----------------------------|-----------------------------------|
| 2.1 | Operation Temp.            | -40°C~+85°C                       |
| 2.2 | Storage Temp.              | -40°C~+100°C                      |
| 2.3 | Altitude                   | 45000 ft                          |
| 2.4 | Vibration                  | 10g rms (15 degree 2KHz)          |
| 2.5 | Humidity                   | 100% RH at 35c, 95%RH at 40 deg c |
| 2.6 | Shock                      | 20G for 11msc                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                    |                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--------------------------|
| PAGE 1 OF 2                                                                                                                                                                                                                                                                                                                                                                                                                              |  | DATE               | AUG 8 <sup>th</sup> 2004 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | RF-LAMBDA          | RFPC                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | CAD MODEL REVISION | 08                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | ASSEMBLY REVISION  | VS51                     |
|  <b>RFLC407G4G8</b><br>TRIPLE JUNCTIONS<br>CIRCULATOR                                                                                                                                                                                                                                                                                               |  | ASSEMBLY NAME      | RFLVR17                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | DRAWING NUMBER     | D05-1                    |
| www.rflambda.com                                                                                                                                                                                                                                                                                                                                                                                                                         |  | SIZE               | LT                       |
| RF-LAMBDA                                                                                                                                                                                                                                                                                                                                                                                                                                |  | SHEETS             | 1 OF 1                   |

