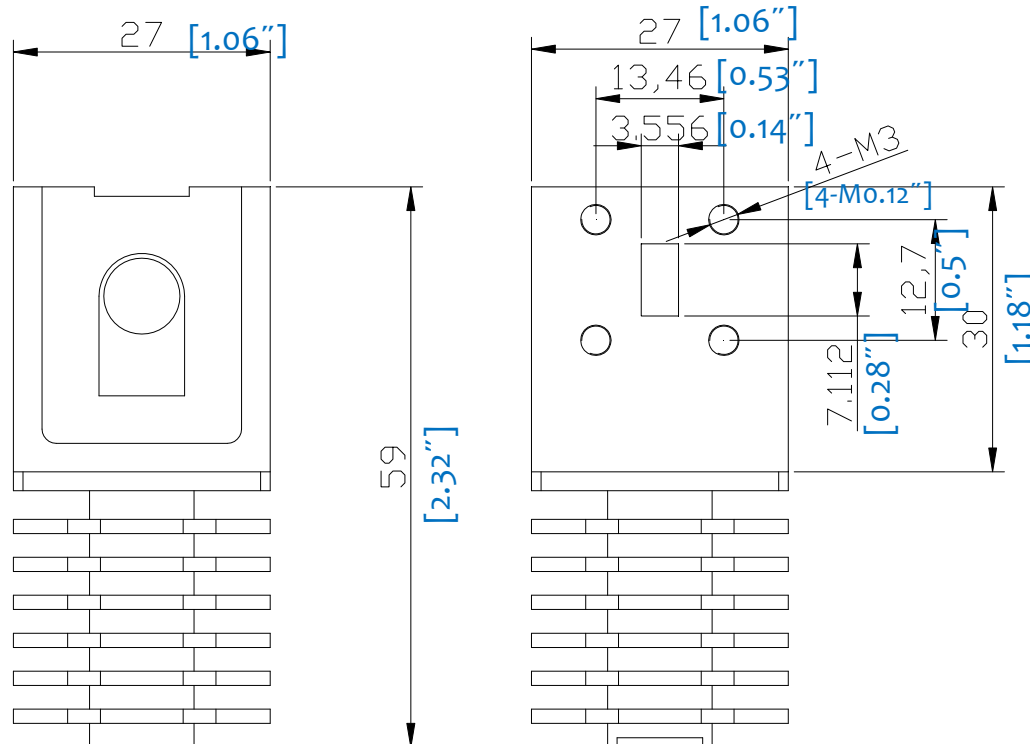
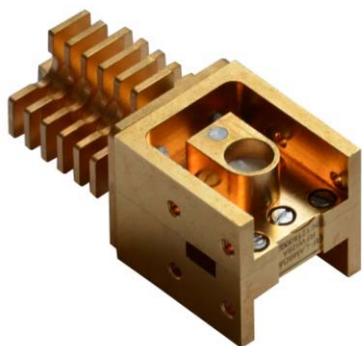


# WAVEGUIDE ISOLATOR 15W FORWARD AND REVERSE POWER


## --- RFWI28A32G38G



| 1.0 Mechanical Specifications |                      |   |
|-------------------------------|----------------------|---|
| 1.1                           | Waveguide type       | Rectangular Waveguide WR28                |
| 1.2                           | Flange type          | COVER                                     |
| 1.3                           | Flange Holes         | Through (As shown)                        |
| 1.4                           | Basis-material       | Aluminum                                  |
| 1.5                           | External Body Finish | Body painted with gray/black epoxy enamel |

| 2.0 Environment specifications |                 |                                  |
|--------------------------------|-----------------|----------------------------------|
| 2.1                            | Operation Temp. | -32°C~+63°C                      |
| 2.2                            | Storage Temp.   | -50°C~+125°C                     |
| 2.3                            | Altitude        | 30,000 ft                        |
| 2.4                            | Vibration       | 10g rms (15 degree 2KHz)         |
| 2.5                            | Humidity        | 90% RH at 35c, 95%RH at 40 deg c |
| 2.6                            | Shock           | 20G for 11msc                    |

| 3.0 Electrical Specifications |                |                                |
|-------------------------------|----------------|--------------------------------|
| 3.1                           | Frequency      | 32-38GHz                       |
| 3.2                           | Bandwidth      | Full                           |
| 3.3                           | Average Power  | 15W (CW) (Forward and reverse) |
| 3.4                           | Insertion Loss | 0.30dB (+/-3GHz)               |
| 3.5                           | Isolation      | 20dB (+/-3GHz)                 |
| 3.6                           | Max. VSWR      | 1.30 : 1 (+/-3GHz)             |

|  |            |                           |
|--|------------|---------------------------|
| PAGE 1 OF 1  |            | DATE<br>Sep 23th 2009     |
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|  |            | RF-LAMBDA<br>RFPC         |
|  <b>RFWI28A32G38G<br/>WAVEGUIDE<br/>ISOLATOR</b>  |            | CAD MODEL REVISION<br>11  |
|  |            | ASSEMBLY REVISION<br>VS50 |
| <a href="http://www.rflambda.com">www.rflambda.com</a>   |            | ASSEMBLY NAME<br>RFLVR11  |
|  |            | DRAWING NUMBER<br>D05-1   |
| RF-LAMBDA  | SIZE<br>LT | SHEETS<br>1 OF 1          |