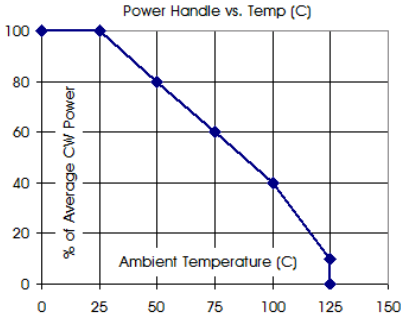
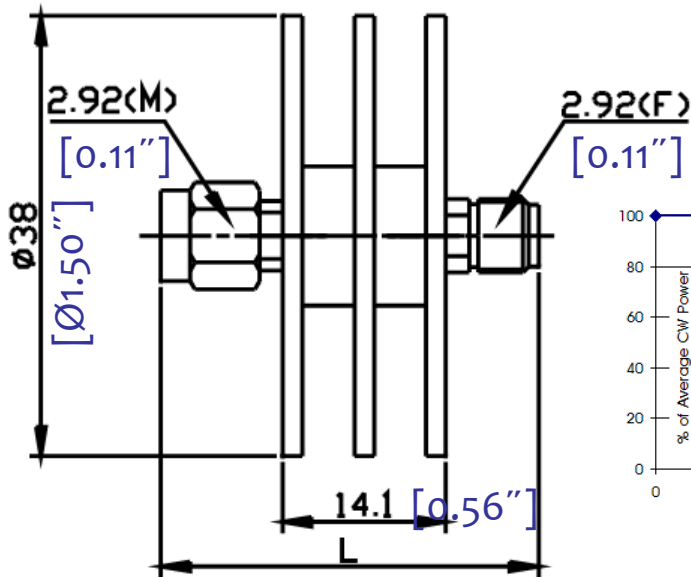


5W COAXIAL FIXED ATTENUATOR DC-40GHz. --- RFS5G40C

|     |                           |                                                               |
|-----|---------------------------|---------------------------------------------------------------|
| 1.0 | Mechanical Specifications |                                                               |
| 1.1 | Coaxial Connector         | 2.92mm                                                        |
| 1.2 | Size                      | $\Phi 38 \times 31.4 \text{ mm}$<br>$\Phi 0.65" \times 1.24"$ |
| 1.3 | Weight                    | 25g                                                           |
| 1.4 | External Body Finish      | Body painted with gray/black epoxy enamel                     |

|     |                            |                                      |
|-----|----------------------------|--------------------------------------|
| 2.0 | Environment specifications |                                      |
| 2.1 | Operation Temp.            | -40°C~+85°C                          |
| 2.2 | Storage Temp.              | -55°C~+125°C                         |
| 2.3 | Altitude                   | 42000 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                        |
| 2.7 | Cooling                    | FAN required for long time operation |

| 3.0      | Electrical Specifications |                           |             |                                   |                   |                 |
|----------|---------------------------|---------------------------|-------------|-----------------------------------|-------------------|-----------------|
| PN       | Frequency (GHz)           | Attenuation Accuracy (dB) | VSWR (max.) | IM3                               | Average Power (W) | Peak Power (KW) |
|          |                           | 40                        |             |                                   |                   |                 |
| RFS5G40C | DC-40                     | $\pm 1.5$                 | 1.35        | -100dBc<br>3dB back off 1MHz step | 5W                | 0.2KW 5us 0.5%  |



|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                    |                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|---------------------------|
| PAGE 1 OF 1                                                                                                                                                                                                                                                                                                                                                                                                                        |            | DATE               | JUN 12 <sup>th</sup> 2009 |
| <p>PROPRIETARY INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF RF-LAMBDA EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY RF-LAMBDA. THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN THE WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION OF ALL THIRD PARTIES AND SHALL USE SAME FOR OPERATING AND MAINTENANCE PURPOSES ONLY</p> |            | DESIGN             |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | RFPC               |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | RF-LAMBDA          |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | RFPC               |                           |
| <br><b>RFS5G40C</b><br>ATTENUATOR<br><br><a href="http://www.rflambda.com">www.rflambda.com</a><br><b>RF-LAMBDA</b>                                                                                                                                                                                                                           | SIZE<br>LT | CAD MODEL REVISION | 10                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | ASSEMBLY REVISION  | VSS2                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | ASSEMBLY NAME      | RFLVR07                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | DRAWING NUMBER     |                           |
| D05-A                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                    |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | SHEETS<br>1 OF 1   |                           |