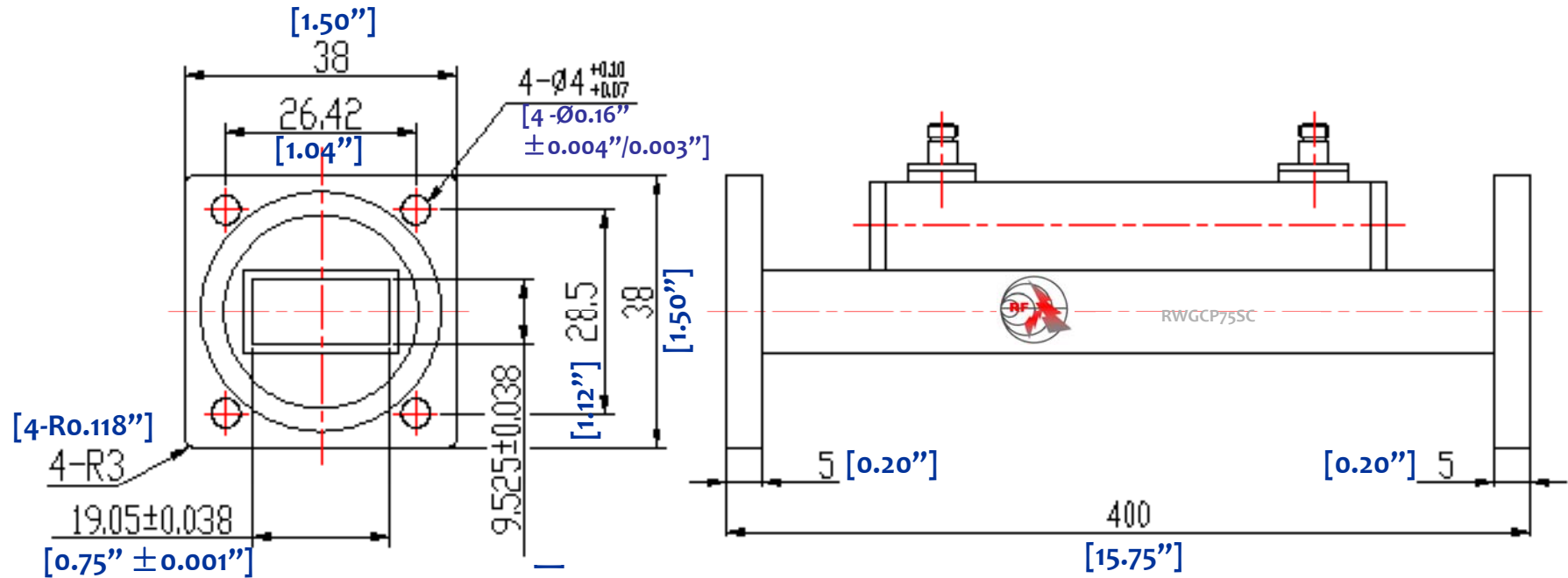



WAVEGUIDE WR75 DIRECTIONAL COUPLER – RWGCP75SC



| 1.0 Mechanical Specifications | | |
|-------------------------------|----------------------|---|
| 1.1 | Waveguide type | Rectangular Waveguide WR75 |
| 1.2 | Flange type | UBR120 |
| 1.3 | Flange Holes | Through |
| 1.4 | Basis-material | Alloyed Aluminum |
| 1.5 | Internal Body Finish | Silver Plated chromate or conversion |
| 1.6 | External Body Finish | Body painted with gray/black epoxy enamel |

| 2.0 Environment specifications | | |
|--------------------------------|-----------------|-----------------------------------|
| 2.1 | Operation Temp. | -54°C~+71°C |
| 2.2 | Storage Temp. | -60°C~+125°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 11msec |

| Electrical Specifications | | | | | | |
|---------------------------|---------------|------------|------------|---------------|-----------------------------|-----------|
| Frequency Range | Forward Power | Peak Power | Coupling | VSWR (master) | VSWR (2 nd Line) | Direction |
| 10GHz~15GHz | 200W | 4KW | 20dB+/-1.0 | 1.08:1(Max) | 1.3:1(Max) | 35dB |

| | | | |
|--|----|--------------------|---------------------------|
| PAGE | OF | DATE | Apr 18 th 2007 |
|  RWGCP75SC WAVEGUIDE COUPLER | | DESIGN | RFPC |
| | | RF-LAMBDA | RFPC |
| | | CAD MODEL REVISION | 0-4 |
| | | ASSEMBLY REVISION | VS2DS |
| www.rflambda.com | | ASSEMBLY NAME | RFLVR011 |
| RF-LAMBDA | | DRAWING NUMBER | D02-1 |
| SIZE | LT | SHEETS | 1 OF 1 |