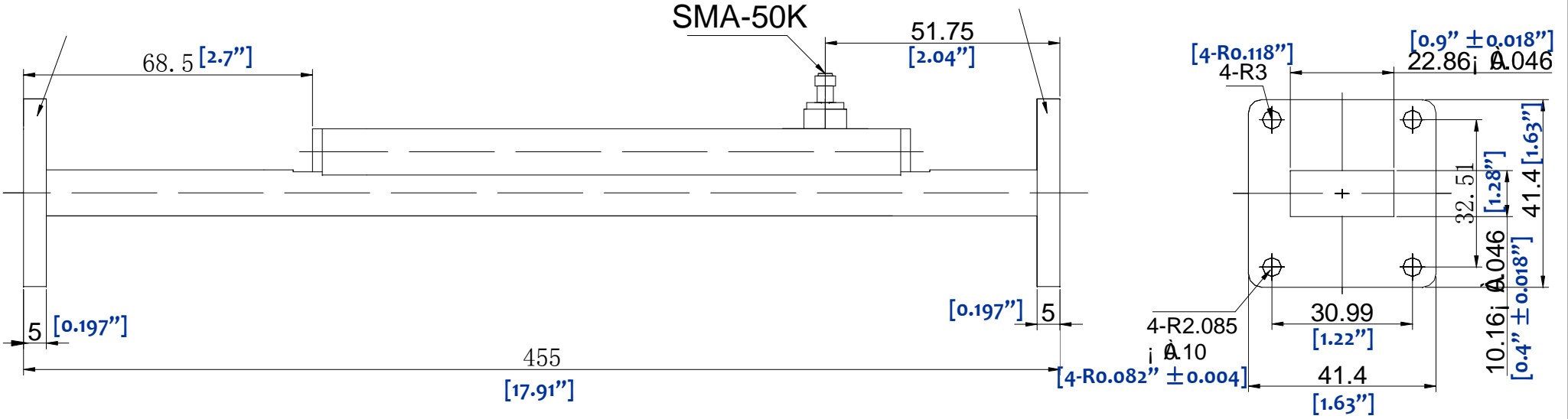



WAVEGUIDE WR28 DIRECTIONAL COUPLER – RWGCP28SA



| 1.0 | Mechanical Specifications | |
|-----|---------------------------|---|
| 1.1 | Waveguide type | Rectangular Waveguide WR28 |
| 1.2 | Flange type | CPRG, CPRF, COVER, CHOKE available |
| 1.3 | Flange Holes | Through |
| 1.4 | Basis-material | Cuprum |
| 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. | -40°C~+85°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 |
| 26.5-40.0GHz | 20W (CW) | 1kW (8us pulse) | 10dB | 1.10:1(Max) | 1.25:1(Max) | 30dB |

| | | | |
|---|----|--------------------|---------------------------|
| PAGE | OF | DATE | Apr 18 th 2007 |
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|  RWGCP28SA WAVEGUIDE COUPLER | | RF-LAMBDA | RFPC |
| www.rflambda.com | | CAD MODEL REVISION | 0-4 |
| | | ASSEMBLY REVISION | VS2D5 |
| | | ASSEMBLY NAME | RFLVR011 |
| | | DRAWING NUMBER | D02-1 |
| RF-LAMBDA | | SIZE | LT |
| | | SHEETS | 1 OF 1 |