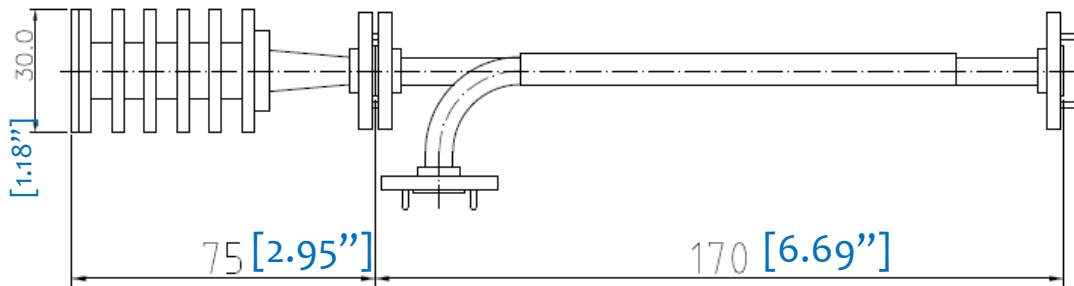



40-60GHz WAVEGUIDE WR19 20W FIXED ATTENUATOR – RFWAT19W020



| Electrical Specifications | | | |
|---------------------------|-----------------|--------------|------|
| Part Number | Frequency Range | Attenuation | VSWR |
| RFWAT19W020-3 | 40-60GHz | 3dB ± 0.5dB | 1.5 |
| RFWAT19W020-6 | 40-60GHz | 6dB ± 0.5dB | 1.5 |
| RFWAT19W020-10 | 40-60GHz | 10dB ± 0.5dB | 1.5 |
| RFWAT19W020-20 | 40-60GHz | 20dB ± 0.5dB | 1.5 |
| RFWAT19W020-30 | 40-60GHz | 30dB ± 0.5dB | 1.5 |

| 1.0 | Mechanical Specifications | |
|-----|---------------------------|---|
| 1.1 | Waveguide type | Rectangular Waveguide WR19 |
| 1.2 | Flange type | See chart |
| 1.3 | Flange Holes | Through |
| 1.4 | Basis-material | Bras with Gold plating 40u Au2 |
| 1.5 | Internal Body Finish | Gold Plated chromate or conversion |
| 1.6 | External Body Finish | Body painted with gray/ blue 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 11msc |

| | | | |
|--|----|--------------------|---------------------------|
| PAGE | OF | DATE | Jul 10 th 2007 |
| <small>PROPRIETARY INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF RF-LAMBDA EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITINGS 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</small> | | DESIGN | RFPC |
| | | RF-LAMBDA | RFPC |
| | | CAD MODEL REVISION | 0-4 |
| | | ASSEMBLY REVISION | VS20S |
|  RFWAT19W020 WAVEGUIDE ATTENUATOR | | ASSEMBLY NAME | RFLVR011 |
| | | DRAWING NUMBER | D02-1 |
| www.rflambda.com | | SIZE | LT |
| RF-LAMBDA | | SHEETS | 1 OF 1 |