

High Power Pressure Windows

Luso Electronics range of waveguide high power ceramic pressure windows provide a pressure seal within a waveguide system, while passing microwave energy with minimal loss. The maintained pressure (5 PSI max.) ensures maximum performance and the seal prevents the ingress of moisture and other bodies. To accompany the pressure windows we offer a full range of pressure inlets and desiccators. For custom design requirements, including other power ratings and flanges please contact the sales office.

Standard product table

| WAVEGUIDE SIZE | | FREQUENCY RANGE (GHz) | STANDARD FLANGES (Pressure side) | BASE MODEL No. | MEAN POWER (CW) | MAX. VSWR | INSERTION LOSS (dB.) | DEPTH (MM) |
|----------------|------|-----------------------|----------------------------------|--------------------------------|-----------------|-----------|----------------------|------------|
| WR137 | WG14 | 5.85 – 6.65 | CPR137G | LU137PW1-3kW | 3000 | 1.10 | 0.1 | 6.3 |
| WR137 | WG14 | 6.60 - 7.70 | CPR137G | LU137PW2-3kW | 3000 | 1.10 | 0.1 | 6.3 |
| WR137 | WG14 | 7.00 – 8.00 | CPR137G | LU137PW3-3kW | 3000 | 1.15 | 0.1 | 6.3 |
| WR137 | WG14 | 7.70 - 8.40 | CPR137G | LU137PW4-3kW | 3000 | 1.15 | 0.1 | 6.3 |
| WR112 | WG15 | 7.90 – 8.40 | CPR112G | LU112PW1-2.5kW | 2500 | 1.15 | 0.15 | 7.6 |
| WR75 | WG17 | 12.75 – 14.50 | PBR120 | LU75PW1-2kW | 2000 | 1.15 | 0.2 | 7.7 |
| WR62 | WG18 | 17.30 – 18.40 | PBR140 | LU62PW1-2kW | 2000 | 1.20 | 0.2 | 19.05 |

