

### Manual Waveguide Switch

A series of rectangular waveguide switches, frequency range covers 2.6GHz-112GHz. Product Dimensions, flange form, materials, surface treatment and electrical parameters can be customized according to user requirements.

Feature:

-Good Isolation -Low cost

Application :

- Radar system, missile guidance, high-gain antenna and power synthesis system

-Other

Technical Specifications :

Isolation(dB) 60(Typ.) Insertion(dB) 0.3(Min) VSWR (dB) 1.15(Typ.)

Mechanical Specifications :

Material Al/Cu Finish Silver/gold/nickel/or custom

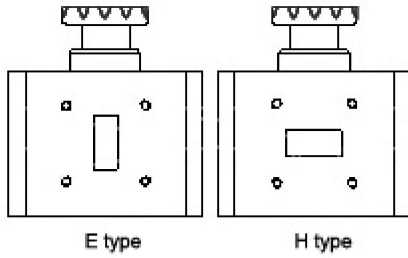
Environmental Specifications :

Operating Temperature -55~+85

Types:



Outline Drawing:



Model List :

| Waveguide |       |      | Freq. Range<br>(GHz) | VSWR<br>Max. | Insertion<br>Loss(dB) | Isolation(dB) | Material |
|-----------|-------|------|----------------------|--------------|-----------------------|---------------|----------|
| E.I.A.    | IEC   | UK   |                      |              |                       |               |          |
| WR284     | WG10  | R32  | 2.60-3.95            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR284     | WG10  | R32  | 2.60-3.95            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR229     | WG11A | R40  | 3.22-4.90            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR229     | WG11A | R40  | 3.22-4.90            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR187     | WG12  | R48  | 3.94-5.99            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR187     | WG12  | R48  | 3.94-5.99            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR159     | WG13  | R58  | 4.64-7.05            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR159     | WG13  | R58  | 4.64-7.05            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR137     | WG14  | R70  | 5.38-8.17            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR137     | WG14  | R70  | 5.38-8.17            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR112     | WG15  | R84  | 6.57-9.99            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR112     | WG15  | R84  | 6.57-9.99            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR90      | WG16  | R100 | 8.20-12.4            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR90      | WG16  | R100 | 8.20-12.4            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR75      | WG17  | R120 | 9.84-15.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR75      | WG17  | R120 | 9.84-15.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR62      | WG18  | R140 | 11.9-18.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR62      | WG18  | R140 | 11.9-18.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR51      | WG19  | R180 | 14.5-22.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR51      | WG19  | R180 | 14.5-22.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR42      | WG20  | R220 | 17.6-26.7            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR42      | WG20  | R220 | 17.6-26.7            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR34      | WG21  | R260 | 21.7-33.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR34      | WG21  | R260 | 21.7-33.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR28      | WG22  | R320 | 26.5-40.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR28      | WG22  | R320 | 26.5-40.0            | 1.15         | 0.3                   | 60            | Al/Cu    |
| WR22      | WG23  | R400 | 32.9-50.1            | 1.2          | 0.5                   | 40            | Cu       |
| WR22      | WG23  | R400 | 32.9-50.1            | 1.2          | 0.5                   | 40            | Cu       |
| WR19      | WG24  | R500 | 39.2-59.6            | 1.2          | 0.5                   | 35            | Cu       |
| WR19      | WG24  | R500 | 39.2-59.6            | 1.2          | 0.5                   | 35            | Cu       |
| WR15      | WG25  | R620 | 49.8-75.8            | 1.2          | 1                     | 30            | Cu       |
| WR15      | WG25  | R620 | 49.8-75.8            | 1.2          | 1                     | 30            | Cu       |
| WR12      | WG26  | R740 | 60.5-91.9            | 1.2          | 1                     | 30            | Cu       |
| WR12      | WG26  | R740 | 60.5-91.9            | 1.2          | 1                     | 30            | Cu       |
| WR10      | WG27  | R900 | 73.8-112             | 1.2          | 1.5                   | 30            | Cu       |
| WR10      | WG27  | R900 | 73.8-112             | 1.2          | 1.5                   | 30            | Cu       |

Test curve :

Note:

You could choose Flange type

