

## High Power Waveguide Isolator

High Power Waveguide Isolators We offer a line of Waveguide Isolator in various sizes and frequency bands. Reliability, cost and manufacturability are optimized at the design stage.

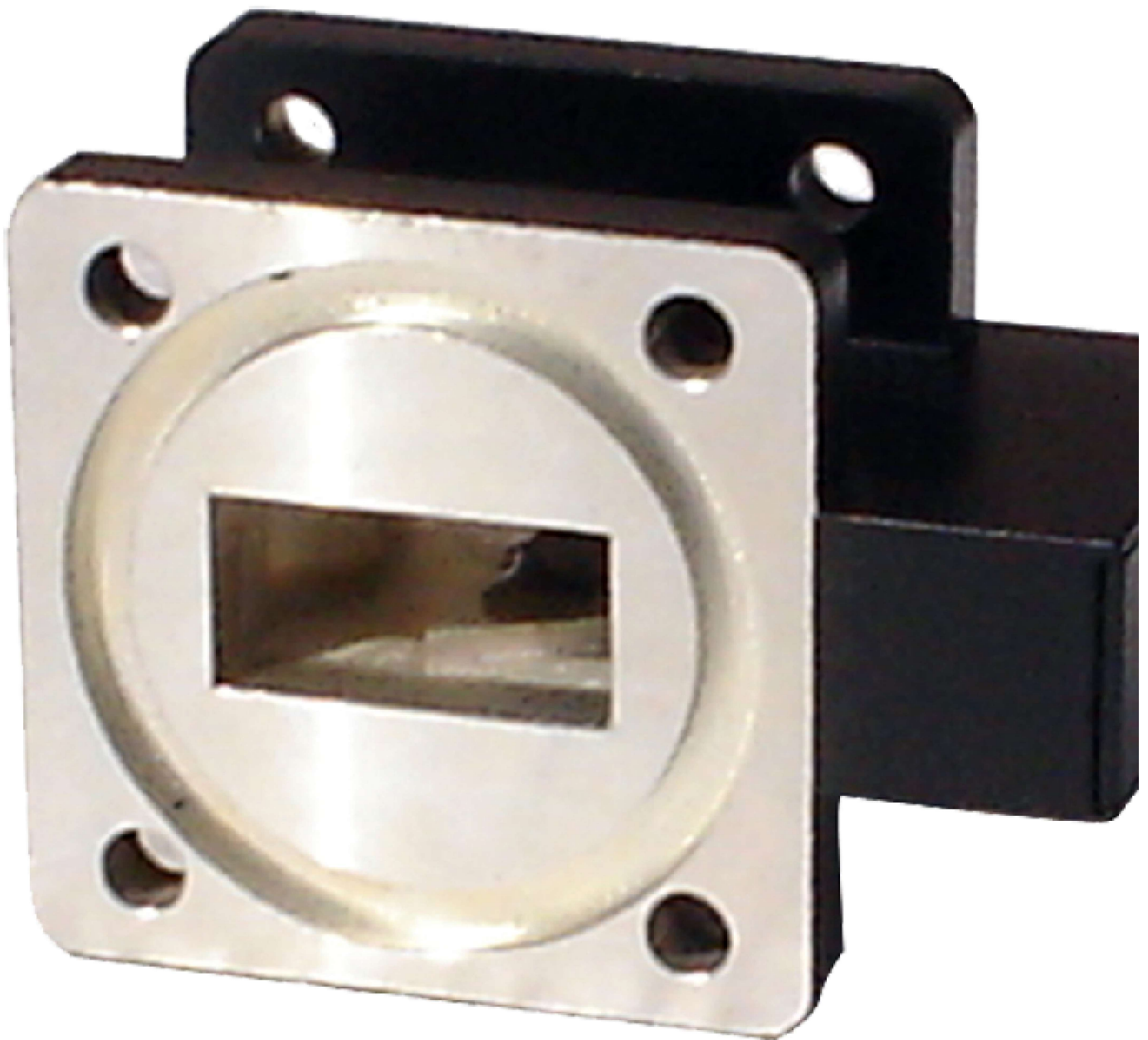
Feature: Low cost, Fast delivery

Application : For Feeder system and T&M Other Applications Technical Specifications:

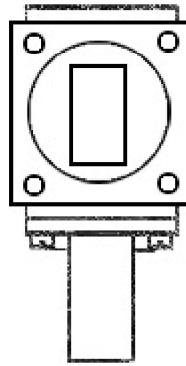
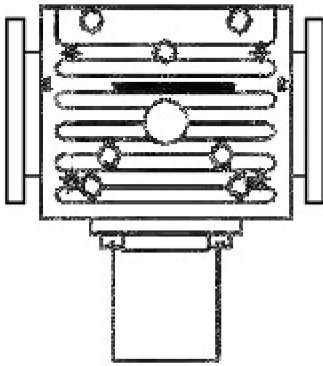
Isolation(dB) 20(Typ.) Insertion Loss 0.3(Typ.) Bandwidth(MHZ) 800 Forward Power(w) 1000(Max)

Mechanical Specifications : Material Al/Cu Enviromental Specifations : Operating Temperature -40~+70℃(Typ.)

Types :



Outline Drawing:



Model List :

| Waveguide |      |      | Freq. Range<br>(GHz) | VSWR<br>Max. | Bandwidth(MHZ) | Insertion Loss(dB) | Isolation(dB) | Forward Power<br>/Reverse Power(w) | Material |
|-----------|------|------|----------------------|--------------|----------------|--------------------|---------------|------------------------------------|----------|
| E.I.A.    | IEC  | UK   |                      |              |                |                    |               |                                    |          |
| WR430     | WG8  | R22  | 2-2.5                | 1.15         | 100MHz         | 0.3                | 23            | 300                                | Al       |
| WR430     | WG8  | R22  | 2.0-3.2              | 1.15         | 140MHz         | 0.6                | 20            | 1000                               | Al       |
| WR137     | WG14 | R70  | 5.8-7.2              | 1.2          | 800MHz         | 0.3                | 20            | 400/200                            | Al/Cu    |
| WR137     | WG14 | R70  | 5.8-7.2              | 1.2          | 800MHz         | 0.3                | 20            | 300/100                            | Al/Cu    |
| WR137     | WG14 | R70  | 5.8-7.2              | 1.2          | 800MHz         | 0.3                | 20            | 200/60                             | Al/Cu    |
| WR137     | WG14 | R70  | 5.8-7.2              | 1.2          | 800MHz         | 0.3                | 20            | 100/30                             | Al/Cu    |
| WR112     | WG15 | R84  | 7.7-9.3              | 1.15         | 500MHz         | 0.5                | 20            | 250                                | Al/Cu    |
| WR112     | WG15 | R84  | 7.8-8.7              | 1.15         | 900MHz         | 0.4                | 20            | 300                                | Al/Cu    |
| WR90      | WG16 | R100 | 8.5-10.5             | 1.15         | 300MHz         | 0.5                | 20            | 150                                | Al/Cu    |
| WR75      | WG17 | R120 | 10.75-14.5           | 1.2          | 800MHz         | 0.3                | 20            | 200/60                             | Al/Cu    |
| WR75      | WG17 | R120 | 10.75-14.5           | 1.2          | 800MHz         | 0.3                | 20            | 100/30                             | Al/Cu    |

Test curve :

Note :

Flange type



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