

Waveguide Circulators

[Product Portfolio]

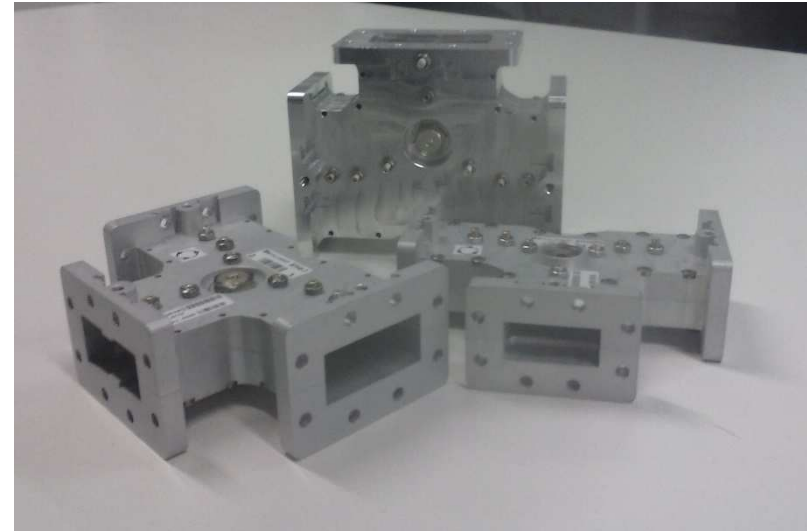
- 3 Ports: available from 4 to 13 GHz (from WR187 to WR75);
- 4 Ports: available from 5 to 11 GHz (from WR187 to WR90);
- On all ports: UER-compatible flanges;
- Temperature range: $-33\text{ }^{\circ}\text{C} \div +60\text{ }^{\circ}\text{C}$.

3 Ports

- Return loss & isolation $\geq 30\text{ dB}$, except for 4 GHz (22 dB) and 11 & 13 GHz (28 dB);
- Insertion loss $\leq 0.2\text{ dB}$ in all cases.

4 Ports

- Return loss & isolation $\geq 28\text{ dB}$ in all cases, at room temperature;
- Insertion loss $\leq 0.4\text{ dB}$ in the worst case.



Waveguide Circulators – 3 Ports

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Frequency	Code	Freq. Range (GHz)	Isolation (dB)	RL (dB)	IL (dB)	Ports	Dimensions (mm)
4 GHz	NC3-04	3.6 – 4.2	≥ 22	≥ 22	≤ 0.2	UER48 Compatible	117.9 x 117 x 45.3
5 GHz	NC3-05	4.4 – 5.0	≥ 30	≥ 30	≤ 0.2	UER48 Compatible	106.5 x 88.6 x 45.3
L6 GHz	NC3-06L	5.9 – 6.4	≥ 30	≥ 30	≤ 0.2	UER70 Compatible	106.5 x 82.3 x 40
U6 GHz	NC3-06U	6.4 – 7.1	≥ 30	≥ 30	≤ 0.2	UER70 Compatible	106.5 x 82.3 x 40
7 GHz	NC3-07	7.1 – 7.9	≥ 30	≥ 30	≤ 0.2	UER84 Compatible	106.5 x 78.9 x 34.9
8 GHz	NC3-08	7.7 – 8.5	≥ 30	≥ 30	≤ 0.2	UER84 Compatible	106.5 x 78.9 x 34.9
10 GHz	NC3-10	10.0 – 10.7	≥ 28	≥ 28	≤ 0.2	UER100 Compatible	106.5 x 75.8 x 32.3
11 GHz	NC3-11	10.7 – 11.7	≥ 28	≥ 28	≤ 0.2	UER100 Compatible	106.5 x 75.8 x 32.3
13 GHz	NC3-13	12.75 – 13.25	≥ 28	≥ 28	≤ 0.2	UER120 Compatible	106.5 x 73.8 x 31.0