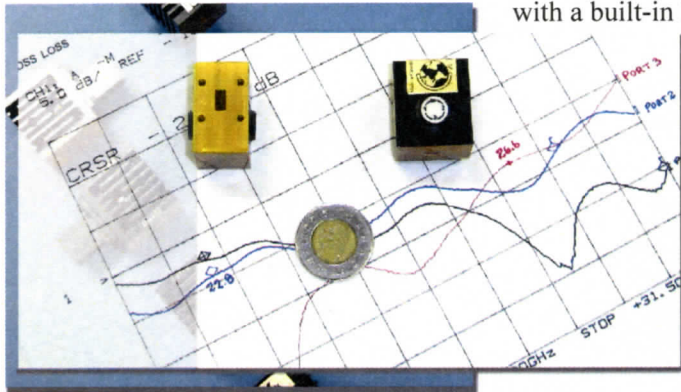


WAVEGUIDE CIRCULATORS



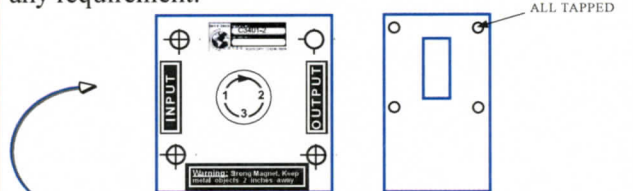
Canteq's waveguide circulators and Isolators (and isolator is a circulator with a built-in load) are specifically designed to meet the requirements of high capacity, performance and high reliability of Satcom systems. Our product line covers a wide frequency range from 1.70 GHz (WR430 waveguide) to 40 GHz (WR28 waveguide).

Stringent specifications parameters imposed during design and production phase of these devices, make them ideally suited for applications in communications, radar and terrestrial radio applications. Special attention is given to critical operating parameters such as isolation, return loss, insertion loss and intermodulation products.

Applications include channel separation, antenna multiplexing and high power amplifier protection. **For waveguide isolators**, any standard model circulator can be used by adding the termination of your choice in any of the three ports of the circulator. Thus, the electrical and mechanical characteristics are dependent on the specifications of the chosen load. Other options such as operating bandwidth, isolation, operation frequency range and power handling are available on request. Our in house design and production capabilities, allow us to quote on almost any requirement.

WAVEGUIDE CIRCULATORS

Model No	W/G (WR)	Freq. Range (GHz)	Power (Forward) (Watts)	RL (dB)	IL (dB)	Flange
C3005-1	430	1.75-1.80	1800	21	0.15	CPRF
C3405-4	159	5.85-6.425	1000	23	0.15	CPRF
C3401-1	137	5.85-6.425	1000	23	0.15	CPRF
C3401-2	137	5.85-6.650	1000	23	0.2	CPRF
C3403	137	5.85-6.750	700	21	0.25	CPRF
C3405-6	112	7.90-8.40	700	23	0.20	CPRF
C3402	75	13.75-14.50	700	26	0.15	cover
C3402-1	75	12.75-14.50	500	21	0.15	cover
C3405-8	75	11.70-12.20	500	23	0.15	cover
C3405-9	62	14.00-14.50	500	23	0.20	cover
C3405-10	51	19.00-21.00	350	21	0.25	cover
C3405-11	42	18.00-20.20	100	21	0.20	cover
C3404	28	29.00-31.00	50	21	0.30	cover



Consult our Sales Department to help you with your particular requirements or other configurations.

Model numbers in table are circulators with all tapped holes and clockwise rotation. Counter-clockwise rotation is available on request. CPRG grooved flanges are available for some models. Contact Sales Department for special performance, we have many other designs not listed as we continue to develop new designs consistently.

How to order the right part:

Specify the model number according to the required frequency and waveguide size and Power handling.

Thus Canteq Model No. C3401-1 is:

a WR137 High Power circulator

Example

Model No
C3401-1

Handling 1000 Watts of power with CPRF flanges at each port