

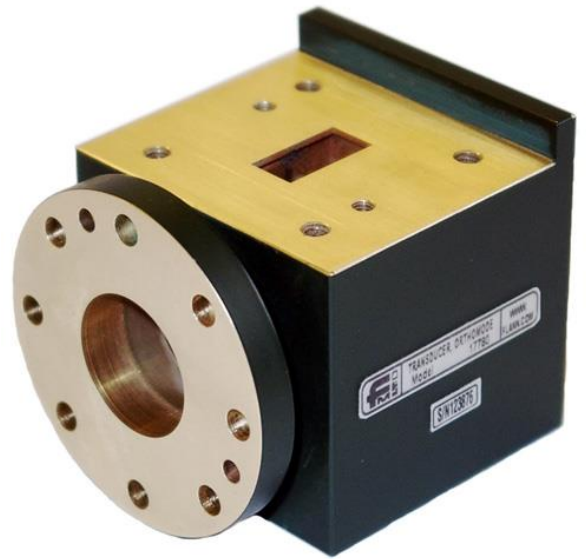


Features

- Models up to 140 GHz
- High Isolation and Polarisation Purity
- Broad and Narrow Band Options
- Circular or Square Guide Interface Options

Applications

- For use with Dual-Polarised Antennas
- For Polarisation Diplexing

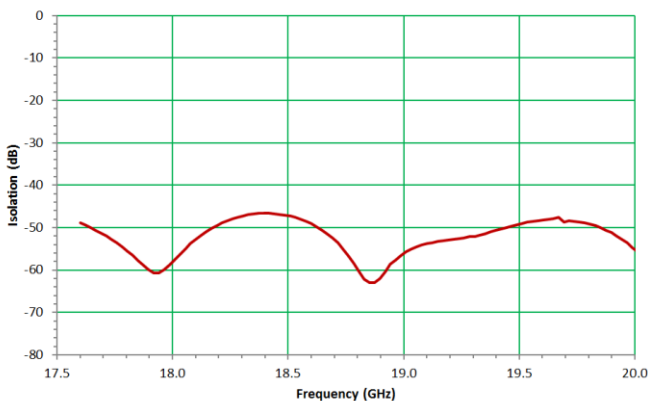


Model 17780

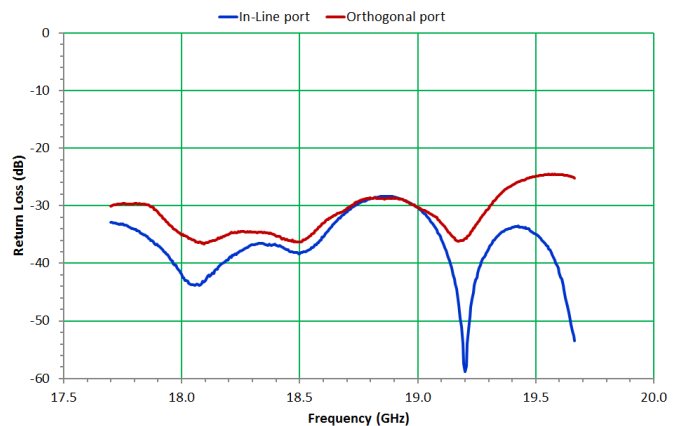
Flann's OMTs offer the high performance demanded by today's communication systems, in which high polarisation purity and high isolation are paramount.

The combination of low cross polar and high isolation characteristics provides optimum link performance. Some examples of the models available are detailed in the table below.

Customised designs are possible to suit many applications, frequency bands and power levels.



Isolation, Model 20780-12305



Return Loss, Model 20780-12305



Specifications

Sample specifications listed below:

Model	WG	Frequency Range (GHz)	Port Isolation (dB)	X-Polarisation (dB)	Return Loss (dB)	Insertion Loss (dB)
12780**	12	4.4 – 5.0	40	30	23	0.1
14780**	14	6.49 – 7.11	50	50	25	0.1
15780**	15	7.25 – 7.75 ¹ 7.9 – 8.4 ²	46	46	26	0.1
17780**	17	10.7 – 12.75 ¹ 13.75 – 14.5 ²	48	48	23	0.1
17780**	17	10.3 – 11.0	50	50	25	0.1
20780**	20	21.2 – 23.6	47	47	25	0.1
20780**	20	17.7 – 19.7	46	40	23	0.1
20780**	20	17.3 – 21.2	46	30	16	0.2
22780**	22	27.5 – 29.5	45	45	23	0.2
22780**	22	33 – 35	40	30	26	0.25
27780**	27	93.55 – 94.55	38	30	23	0.25

¹ In-line port ² Ortho port

Complementary instruments are available to complete antenna fed system from:

- High performance Lens Horn Antennas
- Polarisers – Linear and Circular
- Filters and Diplexers
- Waveguide to Coaxial Adaptors (top launch and end launch)

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