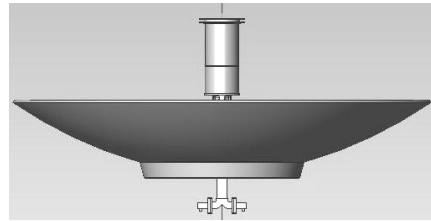


Model RCCD4-80-112F 4' Dual CP Tx/Rx X-band Antenna

This transmit/receive X-band dual circular polarized 4' (1.2m) Cassegrain style antenna has the capability to allow for manually changing transmit and receive senses of polarization. Each port of the OMT can operate in both the transmit and receive bands making this antenna an option to be modified as a 4-port antenna by adding a pair of diplexers to the antenna.



LHCP System Port

Frequency (GHz)	Gain (dBic)	Axial Ratio (dB)	HPBW (deg.)	SLL (dB)	F/B (dB)	Return Loss (dB)
7.25	35.7	0.3	2.3	14.9	>50	16.5
7.50	36.4	0.2	2.16	14.8	>50	15.0
7.75	36.7	0.05	2.1	15.1	>50	20.9
7.90	36.9	0.2	2.1	14.75	>50	17.7
8.15	37.1	0.5	2.0	15.5	>50	23.0
8.40	37.1	0.1	1.86	15.0	>50	31.6

RHCP System Port

Frequency (GHz)	Gain (dBic)	Axial Ratio (dB)	HPBW (deg.)	SLL (dB)	F/B (dB)	Return Loss (dB)
7.25	35.7	0.3	2.2	14.3	>50	15.9
7.50	36.4	0.2	2.16	14.4	>50	16.8
7.75	36.7	0.05	2.13	15.2	>50	19.0
7.90	36.9	0.2	2.2	15.0	>50	27.0
8.15	37.1	0.5	2.1	15.2	>50	20.0
8.40	37.1	0.1	2.0	15.2	>50	21.1

Contact mWAVE Industries, LLC for your antenna development and manufacturing needs