

29 Circular Polarization Horn Antenna

HengDa Microwave developed the production of ultra-wideband circularly polarized spiral antenna series, logarithmic spiral antenna series and octave circularly polarized horn antenna series, can provide a circularly polarized octave bandwidth and a dozen octave bandwidth for your antenna. For more information feel free to call us and discuss your needs with one of our sales engineers.

29.1 Octave Circularly Polarized Horn Antenna



【Specifications】

Model No*	Freq Range (GHz)	Gain (dB)	VSWR (Max.)	Connector
HD-1020CPHA10N	1-2	10dB	2.0	N-50K
HD-3765CPHAF	3.7-6.5		2.0	N-50K
HD-3765CPHA	3.7-6.5		2.0	N-50K
HD-2040CPHA10N	2-4	10dB	2.0	N-50K
HD-4080CPHA10N	4-8	10dB	2.0	N-50K
HD-80180CPHA10S	8-18	10dB	2.5	SMA-50K
HD-180400CPHA10K	18-40	10dB	3.0	2.92K

29.2 Octave Dual Circular Polarization Horn Antenna



【Specifications】

Model No*	Freq Range (GHz)	Gain (dB)	VSWR (Max.)	Connector
HD-0840DPHA6S	0.8-4	6dB	2.5	SMA-50K
HD-1020DCPHA10N	1-2	10dB	2.5	N-50K
HD-1020DCPHA10NZJ	1-2	10dB	2.5	N-50K
HD-2040DCPHA10N	2-4	10dB	2.5	N-50K
HD-2040DCPHA10NZJ	2-4	10dB	2.5	N-50K
HD-4080DCPHA10N	4-8	10dB	2.5	N-50K
HD-8018DCPHA10S	8-18	10dB	3.0	SMA-50K
HD-180400DCPHA10K	18-40	10dB	3.0	2.92K

29.3 Circularly Polarized Spiral Antenna



【Specifications】

Model No*	Freq Range (GHz)	VSWR	Gain (dB)	Beamwidth	Axial ratio (dB)	Connector
HD-0840SA2N	800-2000	2.0	2	60°×60°	3	N-50K
HD-3962CPRA4N	3900-6200	1.3	4-6	90°×90°		N-50K
HD-2060PSA	2000-6000	2.0	1-5	70°×70°	3	SMA-50K

29.4 Circularly Polarized Logarithmic Spiral Antenna

HD-0210LSA3N



Freq Range	0.2 - 1GHz
Gain	-9~5dB
VSWR	< 3.0
Dimension	φ330mm x815 mm
Connector	N-50K

HD-10100LSA3N



HD-20100LSA

Freq Range	1-10GHz
Gain	1~5dB
VSWR	< 3.0
Dimension	φ130mm x400 mm
Connector	N-50K



Freq Range	2-10GHz
Gain	4~7dB
VSWR	< 3.0
Dimension	φ130mm x400 mm
Connector	N-50K