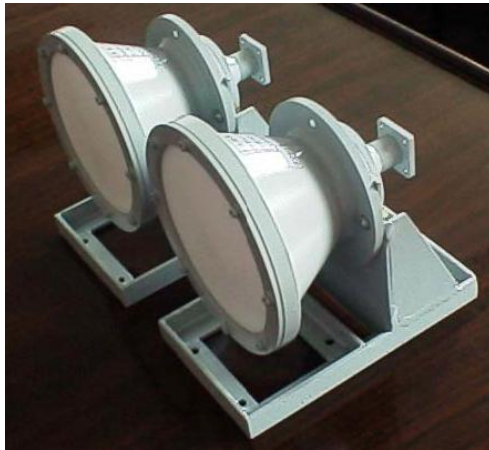


## 28. Lens Antenna

HengDa microwave manufactures a series of Lens antenna such as conical horn lens antenna, pyramid horn lens antenna, feed radiation type lens antenna, point focusing lens antenna, etc. We can provide the design, processing and testing. Please call us and discuss your special needs with one of our sales engineers.

### 28.1 Conical Horn Lens Antenna



#### 【Specifications】

Model No*	Freq Range (GHz)	Gain (dB)	Minor Level (dB)		Connector	Mouth Diameter (Φmm)	Length (mm)
			E	H			
HD-320LHA50	26.5~40.0	21	≤-22	≤-30	FBP-320	50	80
HD-320LHA80	26.5~40.0	25	≤-22	≤-30	FBP-320	80	100
HD-320LHA100	26.5~40.0	27	≤-22	≤-30	FBP-320	100	120
HD-320LHA150	26.5~40.0	31	≤-22	≤-30	FBP-320	150	170
HD-320LHA170	26.5~40.0	32	≤-22	≤-30	FBP-320	170	190
HD-320LHA200	26.5~40.0	33	≤-22	≤-30	FBP-320	200	220
HD-260LHA50	22.0~33.0	19	≤-22	≤-30	FBP-260	50	80
HD-260LHA80	22.0~33.0	23	≤-22	≤-30	FBP-260	80	100
HD-260LHA100	22.0~33.0	25	≤-22	≤-30	FBP-260	100	120
HD-260LHA150	22.0~33.0	29	≤-22	≤-30	FBP-260	150	170
HD-260LHA170	22.0~33.0	30	≤-22	≤-30	FBP-260	170	190
HD-260LHA200	22.0~33.0	31	≤-22	≤-30	FBP-260	200	220
HD-220LHA80	18.0~26.5	21	≤-22	≤-30	FBP-220	80	100
HD-220LHA100	18.0~26.5	23	≤-22	≤-30	FBP-220	100	120
HD-220LHA150	18.0~26.5	27	≤-22	≤-30	FBP-220	150	170
HD-220LHA170	18.0~26.5	28	≤-22	≤-30	FBP-220	170	190
HD-220LHA200	18.0~26.5	29	≤-22	≤-30	FBP-220	200	220
HD-180LHA100	14.5~22.0	22	≤-22	≤-30	FBP-180	100	120
HD-180LHA150	14.5~22.0	25	≤-22	≤-30	FBP-180	150	170
HD-180LHA170	14.5~22.0	27	≤-22	≤-30	FBP-180	170	190
HD-180LHA200	14.5~22.0	28	≤-22	≤-30	FBP-180	200	220
HD-140LHA150	12.5~18.0	23	≤-22	≤-30	FBP-140	150	170
HD-140LHA170	12.5~18.0	25	≤-22	≤-30	FBP-140	170	190
HD-140LHA200	12.5~18.0	26	≤-22	≤-30	FBP-140	200	220
HD-140LHA250	12.4~18.0	28	≤-22	≤-30	FBP-140	250	270
HD-120LHA250	10.0~15.0	26	≤-22	≤-30	FBP-140	250	270
HD-100LHA250	8.2~12.4	25	≤-22	≤-30	FBP-100	250	270

\*Indicates Model Number. See Ordering Information for complete part number.

## [Pattern]

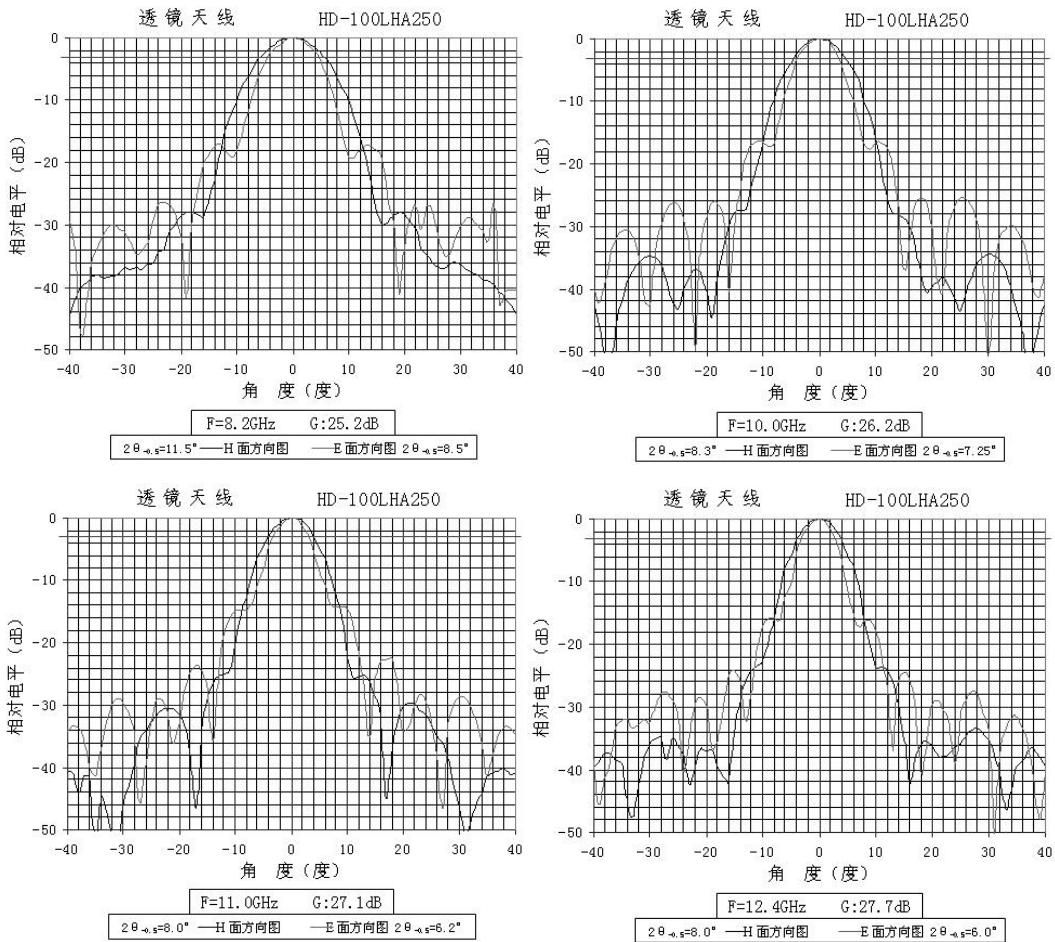
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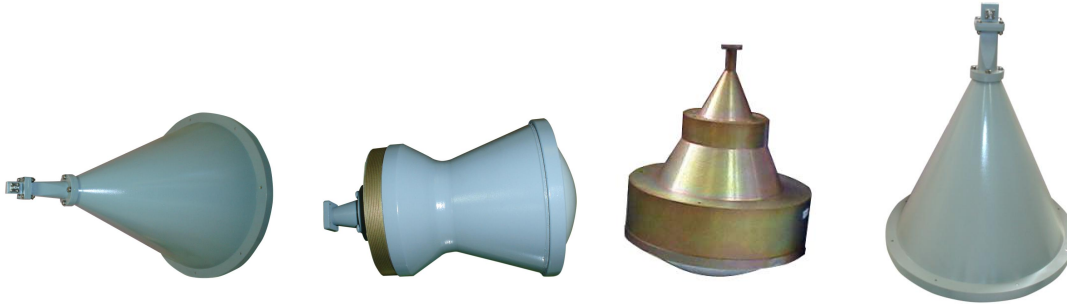
## 28.2 Pyramid Horn Lens Antenna



### 【Specification】

Model No*	Freq Range (GHz)	Gain (dB)	Minor Level (dB)		Connector	Mouth Diameter (Φmm)	Length (mm)
			E	H			
HD-140LHA22A	11.9~18.0	22	≤-22	≤-30	FBP-140	138×108	205
HD-260LHA26A	21.7~33.0	26	≤-22	≤-30	FBP-260	106×106	175

## 28.3 Point Focusing Horn Lens Antenna



### 【Specification】

Model No*	Freq Range (GHz)	Focal Length (mm)	Connector	Mouth Diameter (Φmm)
HD-320PLHA	26.5~40.0	50-500	FBP-320	50-300
HD-260PLHA	21.7~33.0	50-500	FBP-260	50-300
HD-220PLHA	17.6~26.7	50-500	FBP-220	50-300
HD-180PLHA	14.5~22.0	50-500	FBP-180	50-300
HD-140PLHA	11.9~18.0	80-700	FBP-140	50-400
HD-120PLHA	9.84~15.0	80-700	FBP-120	50-400
HD-100PLHA	8.2~12.4	80-700	FBP-100	50-400
HD-84PLHA	6.57~9.99	80-900	FBP-84	50-500
HD-70PLHA	5.85~8.2	80-900	FBP-70	50-500
HD-58PLHA	4.9~7.0	80-900	FBP-58	50-500
HD-48PLHA	4~6	80-900	FBP-48	50-500
HD-40PLHA	3.3~4.9	80-900	FBP-40	50-500
HD-32PLHA	2.6~4	80-900	FBP-32	50-500

