

# Lens Antenna



## Conical Horn Lens Antenna

### ELECTRICAL CHARACTERISTICS:

Part No.	WG Type EIA	Freq Range (GHz)	Gain (dB)	Sidelobe E plane	Level(dB) H plane	Beam Width(*)	VSWR	Interface	Antenna Diameter (Φmm)	Length (mm)
SH-100LHA250	WR90	8.2-12.4	25	≤-15	≤-26	7-10	≤2.5	FBP-100	250	270
SH-120LHA250	WR75	10.0-15.0	26	≤-15	≤-26	7-10	≤2.5	FBP-120	250	270
SH-140LHA150	WR62	12.5-18.0	23	≤-15	≤-26	7-10	≤2.5	FBP-140	150	170
SH-140LHA200	WR62	12.5-18.0	26	≤-15	≤-26	5-8	≤2.5	FBP-140	200	220
SH-140LHA250	WR62	12.4-18.0	28	≤-15	≤-26	3-6	≤2.5	FBP-140	250	270
SH-180LHA100	WR51	14.5-22.0	22	≤-15	≤-26	9-12	≤2.5	FBP-180	100	120
SH-180LHA150	WR51	14.5-22.0	25	≤-15	≤-26	6-9	≤2.5	FBP-180	150	170
SH-180LHA200	WR51	14.5-22.0	28	≤-15	≤-26	4-7	≤2.5	FBP-180	200	220
SH-220LHA80	WR42	18.0-26.5	21	≤-15	≤-26	9-12	≤2.5	FBP-220	80	100
SH-220LHA100	WR42	18.0-26.5	23	≤-15	≤-26	7-10	≤2.5	FBP-220	100	120
SH-220LHA150	WR42	18.0-26.5	27	≤-15	≤-26	4-7	≤2.5	FBP-220	150	170
SH-220LHA200	WR42	18.0-26.5	29	≤-15	≤-26	3-6	≤2.5	FBP-220	200	220
SH-260LHA50	WR34	22.0-33.0	19	≤-15	≤-26	12-16	≤2.5	FBP-260	50	80
SH-260LHA80	WR34	22.0-33.0	23	≤-15	≤-26	7-10	≤2.5	FBP-260	80	100
SH-260LHA100	WR34	22.0-33.0	25	≤-15	≤-26	6-9	≤2.5	FBP-260	100	120
SH-260LHA150	WR34	22.0-33.0	29	≤-15	≤-26	3-6	≤2.5	FBP-260	150	170
SH-260LHA200	WR34	22.0-33.0	31	≤-15	≤-26	2-4	≤2.5	FBP-260	20	220
SH-320LHA50	WR28	26.5-40.0	21	≤-15	≤-26	10-13	≤2.5	FBP-320	50	80
SH-320LHA80	WR28	26.5-40.0	25	≤-15	≤-26	6-9	≤2.5	FBP-320	80	100
SH-320LHA100	WR28	26.5-40.0	27	≤-15	≤-26	4-7	≤2.5	FBP-320	100	120
SH-320LHA150	WR28	26.5-40.0	31	≤-15	≤-26	3-5	≤2.5	FBP-320	150	170
SH-320LHA200	WR28	26.5-40.0	33	≤-15	≤-26	2-4	≤2.5	FBP-320	200	220

## Lens Antenna



## Pyramid Horn Lens Antenna

### ELECTRICAL CHARACTERISTICS:

Part No.	WG Type EIA	Freq Range (GHz)	Gain (dB)	Sidelobe E plane	Level(dB) H plane	VSWR	Interface	Antenna Diameter (Φmm)	Length (mm)
SH-140LHA20A	WR62	11.9-18.0	20	≤-15	≤-26	≤-2.5	FBP-140	120 x 90	205
SH-260LHA25A	WR34	21.7-33.0	25	≤-15	≤-26	≤-2.5	FBP-260	89 x 89	175



## Point Focusing Horn Lens Antenna

### ELECTRICAL CHARACTERISTICS:

Part No.	WG Type EIA	Freq Range (GHz)	Antenna Diameter (Φmm)	Focal Length (mm)	Focal Spot Diameter (mm)	VSWR	Interface
SH-32PLHA300F500	WR284	2.6-4	300	500	≤200	≤2.5	FDP-32
SH-40PLHA300F500	WR229	3.3-4.9	300	500	≤200	≤2.5	FDP-40
SH-48PLHA300F500	WR187	4-6	300	500	≤120	≤2.5	FDP-48
SH-58PLHA250F500	WR159	4.9-7.0	250	500	≤80	≤2.5	FDP-58
SH-70PLHA250F500	WR137	5.38-8.17	250	500	≤80	≤2.5	FDP-70
SH-84PLHA250F500	WR112	6.57-9.99	250	500	≤60	≤2.5	FBP-84
SH-100PLHA200F300	WR90	8.2-12.4	200	300	≤60	≤2.5	FBP-100
SH-120PLHA200F300	WR75	9.84-15.0	200	300	≤60	≤2.5	FBP-120
SH-140PLHA200F300	WR62	11.9-18.0	200	300	≤50	≤2.5	FBP-140
SH-180PLHA100F200	WR51	14.5-22.0	100	200	≤40	≤2.5	FBP-180
SH-220PLHA100F200	WR42	17.6-26.7	100	200	≤35	≤2.5	FBP-220
SH-260PLHA100F100	WR34	21.7-33.0	100	100	≤30	≤2.5	FBP-260
SH-320PLHA100F100	WR28	26.5-40.0	100	100	≤25	≤2.5	FBP-320