

Corrugated Conical Horn Antenna



Model Information	
Example Part Number:	LB-CH -90 -15 -C -SF
Product Code	
Waveguide Size:	WR90 - WR10
Gain in dB, Standard gain is	10dB, 15dB, 20dB, 25dB
Figure Type:	
-A:	Waveguide Output
-C:	Coaxial Output. Connector type below needs to be specified
Figure C Connector Type Option:	
7/16F=7/16 DIN Female;	
NF=N Type-Female; NM=N Type-Male;	
SF=SMA-Female; SM=SMA-Male;	
3.5F=3.5mm-Female; 3.5M=3.5mm-Male;	
KF=2.92mm-Female; KM=2.92mm-Male;	
2.4F=2.4mm-Female; 2.4M=2.4mm-Male;	
1.85F=1.85mm-Female; 1.85M=1.85mm-Male	

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Corrugated Conical Horn Antenna and download.

Model	Freq. (GHz)	WG	Pol.	Gain (dB) Typ.	Figure	VSWR Typ.	Output	Size(mm)	
								Length	Aperture Diameter
LB-CH-90-15-A	8.2-12.4	WR90	Linear	15	A	1.15	FBP100	228	90
LB-CH-90-15-C-XX					C	1.5	SF/NF	266	90
LB-CH-90-20-A				20	A	1.15	FBP100	335	150
LB-CH-90-20-C-XX					C	1.5	SF/NF	373	150
LB-CH-90-25-A				25	A	1.15	FBP100	-	-
LB-CH-90-25-C-XX					C	1.5	SF/NF	-	-
LB-CH-75-15-A	10.0-15.0	WR75	Linear	15	A	1.15	FBP120	145.3	81.34
LB-CH-75-15-C-XX					C	1.5	SF/NF	175.3	81.34
LB-CH-75-20-A				20	A	1.15	FBP120	251.4	136.44
LB-CH-75-20-C-XX					C	1.5	SF/NF	281.4	136.44
LB-CH-75-25-A				25	A	1.15	FBP120	-	-
LB-CH-75-25-C-XX					C	1.5	SF/NF	-	-
LB-CH-62-15-A	12.4-18.0	WR62	Linear	15	A	1.15	FBP140	-	-
LB-CH-62-15-C-XX					C	1.5	SF/NF	-	-
LB-CH-62-20-A				20	A	1.15	FBP140	-	-
LB-CH-62-20-C-XX					C	1.5	SF/NF	-	-
LB-CH-62-25-A				25	A	1.15	FBP140	-	-
LB-CH-62-25-C-XX					C	1.5	SF/NF	-	-

Model	Freq. (GHz)	WG	Pol.	Gain (dB) Typ.	Figure	VSWR Typ.	Output	Size(mm)	
								Length	Aperture Diameter
LB-CH-51-15-A	15.0-22.0	WR51	Linear	15	A	1.2	FBP180	-	-
LB-CH-51-15-C-XX					C	1.5	SF	-	-
LB-CH-51-20-A				20	A	1.2	FBP180	-	-
LB-CH-51-20-C-XX					C	1.5	SF	-	-
LB-CH-51-25-A				25	A	1.2	FBP180	-	-
LB-CH-51-25-C-XX					C	1.5	SF	-	-
LB-CH-42-15-A	18.0-26.5	WR42	Linear	15	A	1.2	FBP220	-	-
LB-CH-42-15-C-XX					C	1.5	SF/KF/3.5F	-	-
LB-CH-42-20-A				20	A	1.2	FBP220	-	-
LB-CH-42-20-C-XX					C	1.5	SF/KF/3.5F	-	-
LB-CH-42-25-A				25	A	1.2	FBP220	-	-
LB-CH-42-25-C-XX					C	1.5	SF/KF/3.5F	-	-
LB-CH-34-15-A	22.0-33.0	WR34	Linear	15	A	1.2	FBP260	-	-
LB-CH-34-15-C-XX					C	1.5	KF	-	-
LB-CH-34-20-A				20	A	1.2	FBP260	-	-
LB-CH-34-20-C-XX					C	1.5	KF	-	-
LB-CH-34-25-A				25	A	1.2	FBP260	-	-
LB-CH-34-25-C-XX					C	1.5	KF	-	-
LB-CH-28-15-A	26.5-40.0	WR28	Linear	15	A	1.2	FBP320	-	-
LB-CH-28-15-C-XX					C	1.5	KF/2.4F	-	-
LB-CH-28-20-A				20	A	1.2	FBP320	-	-
LB-CH-28-20-C-XX					C	1.5	KF/2.4F	-	-
LB-CH-28-25-A				25	A	1.2	FBP320	-	-
LB-CH-28-25-C-XX					C	1.5	KF/2.4F	-	-
LB-CH-22-15-A	33.0-50.0	WR22	Linear	15	A	1.2	FUGP400	-	-
LB-CH-22-15-C-XX					C	1.5	2.4F	-	-
LB-CH-22-20-A				20	A	1.2	FUGP400	-	-
LB-CH-22-20-C-XX					C	1.5	2.4F	-	-
LB-CH-22-25-A				25	A	1.2	FUGP400	-	-
LB-CH-22-25-C-XX					C	1.5	2.4F	-	-
LB-CH-19-15-A	40.0-60.0	WR19	Linear	15	A	1.2	FUGP500	-	-
LB-CH-19-15-C-XX					C	1.5	1.85F	-	-
LB-CH-19-20-A				20	A	1.2	FUGP500	-	-
LB-CH-19-20-C-XX					C	1.5	1.85F	-	-
LB-CH-19-25-A				25	A	1.2	FUGP500	-	-
LB-CH-19-25-C-XX					C	1.5	1.85F	-	-

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								Length	Aperture Diameter	
LB-CH-15-15-A	50.0-75.0	WR15	Linear	15	A	1.2	FUGP620	-	-	
LB-CH-15-15-C-XX	50.0-65.0				C	1.5	1.85F	-	-	
LB-CH-15-C20	59.0-67.0		Linear	15	A	1.5	FUGP620	-	-	
LB-CH-15-C21			LHCP	15	A	1.5	FUGP620	-	-	
LB-CH-15-C22			RHCP	15	A	1.5	FUGP620	-	-	
LB-CH-15-20-A	50.0-75.0		WR15	Linear	20	A	1.2	FUGP620	-	-
LB-CH-15-20-C-XX	50.0-65.0					C	1.5	1.85F	-	-
LB-CH-15-25-A	50.0-75.0			Linear	25	A	1.2	FUGP620	-	-
LB-CH-15-25-C-XX	50.0-65.0					C	1.5	1.85F	-	-
LB-CH-15-C10	59.0-67.0			Linear	25	A	1.2	FUGP620	119.2	42.3
LB-CH-15-C11				LHCP	25	A	1.3	FUGP620	119.2	42.3
LB-CH-15-C12			RHCP	25	A	1.3	FUGP620	119.2	42.3	
LB-CH-12-15-A	60.0-90.0	WR12	Linear	15	A	1.5	FUGP740	-	-	
LB-CH-12-20-A			Linear	20	A	1.5	FUGP740	-	-	
LB-CH-12-25-A			Linear	25	A	1.5	FUGP740	-	-	
LB-CH-10-15-A	75.0-110.0	WR10	Linear	15	A	1.5	FUGP900	-	-	
LB-CH-10-20-A			Linear	20	A	1.5	FUGP900	-	-	
LB-CH-10-25-A			Linear	25	A	1.5	FUGP900	-	-	