



ENGENHARIA DE RADIOFREQUÊNCIA

Datasheet Técnico

Antena slot cilíndrica UHF ASCLN

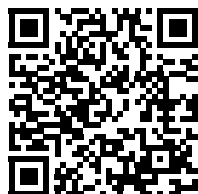
Modelo: ASCLN

Categoria: TV Digital, UHF e VHF

Fonte: Final

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VALIDAÇÃO ON-LINE

EFTX-DS-TV-DIGITAL-ASCLN-UHF

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Antena Slot Cilíndrica UHF

Polarização horizontal | seleção elétrica e diagramas de catálogo



FAMÍLIA ASCLN

Antena de transmissão broadcast em UHF, polarização horizontal, com configurações de 2, 4, 6 ou 8 fendas e diagramas horizontais de 360°, 220° ou 90°.

Faixa de frequência	470 a 806 MHz (canais 14 a 69)
Largura de banda	6, 12 ou 18 MHz
Impedância	50 ohms
VSWR	< 1,1:1
Polarização	Horizontal



Imagem de referência do produto

Conexão x potência máxima x número de fendas

Conexão	Código	2 fendas	4 fendas	6 fendas	8 fendas
N-Fêmea	NF	0,3 kW	0,3 kW	0,3 kW	0,3 kW
DIN 7/16"	D716	1,0 kW	1,3 kW	1,3 kW	1,3 kW
EIA 7/8"	E78	1,5 kW	3,0 kW	3,0 kW	3,0 kW
EIA 1-5/8"	E158	2,5 kW	5,0 kW	7,0 kW	7,0 kW
EIA 3-1/8"	E318	2,5 kW	15 kW	20 kW	20 kW
EIA 4-1/16"	E416	2,5 kW	17 kW	30 kW	30 kW

Seleção EIA 7/8"

A conexão EIA 7/8" é indicada quando a potência requerida estiver dentro do limite exato da linha correspondente. Para potências superiores, utilizar a conexão documentada na tabela.

Potência máxima de entrada conforme número de fendas e conexão. Não aplicar extrapolação entre linhas.

Ganho nominal por configuração

Diagrama	2 fendas	4 fendas	6 fendas	8 fendas
360°	4,6 dBd	7,6 dBd	9,4 dBd	10,6 dBd
220°	5,6 dBd	8,6 dBd	10,4 dBd	11,6 dBd
90°	8,3 dBd	11,3 dBd	13,1 dBd	14,3 dBd

Ângulo de meia potência vertical - HPBW

Nº de fendas	2	4	6	8
HPBW vertical	27°	13°	8,5°	6,5°

Código de produto dedicado

EFTX-ASCLN-CH##-F##-D###-C###-P#####-M#

Campo	Valor permitido
CH##	CH14 a CH69
F##	F02, F04, F06 ou F08
D###	D360, D220 ou D090
C###	NF, D716, E78, E158, E318 ou E416
P#####	Potência máxima da tabela, em watts
M#	ML – Montagem lateral / MT – Montagem em topo

Instalação e esforços

INSTALAÇÃO

Topo ou lateral

RESISTÊNCIA AO VENTO

200 km/h

PROTEÇÃO ELÉTRICA

Pela estrutura

Características mecânicas (2 fendas)

Canais	A (mm)	B (mm)	Área (m²)	Vento (kgf)	Peso (kg)
14-19	1902	951	0,21	21	10,2
20-25	1767	884	0,20	20	9,6
26-31	1650	825	0,19	19	9
32-37	1548	774	0,17	17	8,6
38-44	1458	729	0,16	16	8,2
45-50	1365	683	0,15	15	7,8
51-56	1296	648	0,15	15	7,5

Características mecânicas (4 fendas)

Canais	A (mm)	B (mm)	Área (m²)	Vento (kgf)	Peso (kg)
14-19	3170	1585	0,35	35	17
20-25	2990	1495	0,33	33	16
26-31	2750	1375	0,3	30	15
32-37	2580	1290	0,28	28	14,3
38-44	2430	1215	0,27	27	13,7
45-50	2275	1138	0,25	25	13,1
51-56	2175	1088	0,24	24	12,5

Características mecânicas (6 fendas)

Canais	A (mm)	B (mm)	Área (m²)	Vento (kgf)	Peso (kg)
14-19	4440	2220	0,49	49	24
20-25	4160	2080	0,46	46	23
26-31	3840	1920	0,42	42	21
32-37	3620	1810	0,39	39	20
38-44	3400	1700	0,38	38	19
45-50	3240	1620	0,36	36	18,7
51-56	3040	1520	0,34	34	17,5

Características mecânicas (8 fendas)

Canais	A (mm)	B (mm)	Área (m²)	Vento (kgf)	Peso (kg)
14-19	6340	3170	0,7	70	35
20-25	5980	2990	0,66	66	33
26-31	5500	2750	0,61	61	31
32-37	5160	2580	0,57	57	29,6
38-44	4860	2430	0,54	54	28,4
45-50	4550	2275	0,50	50	27,2
51-56	4350	2175	0,48	48	26

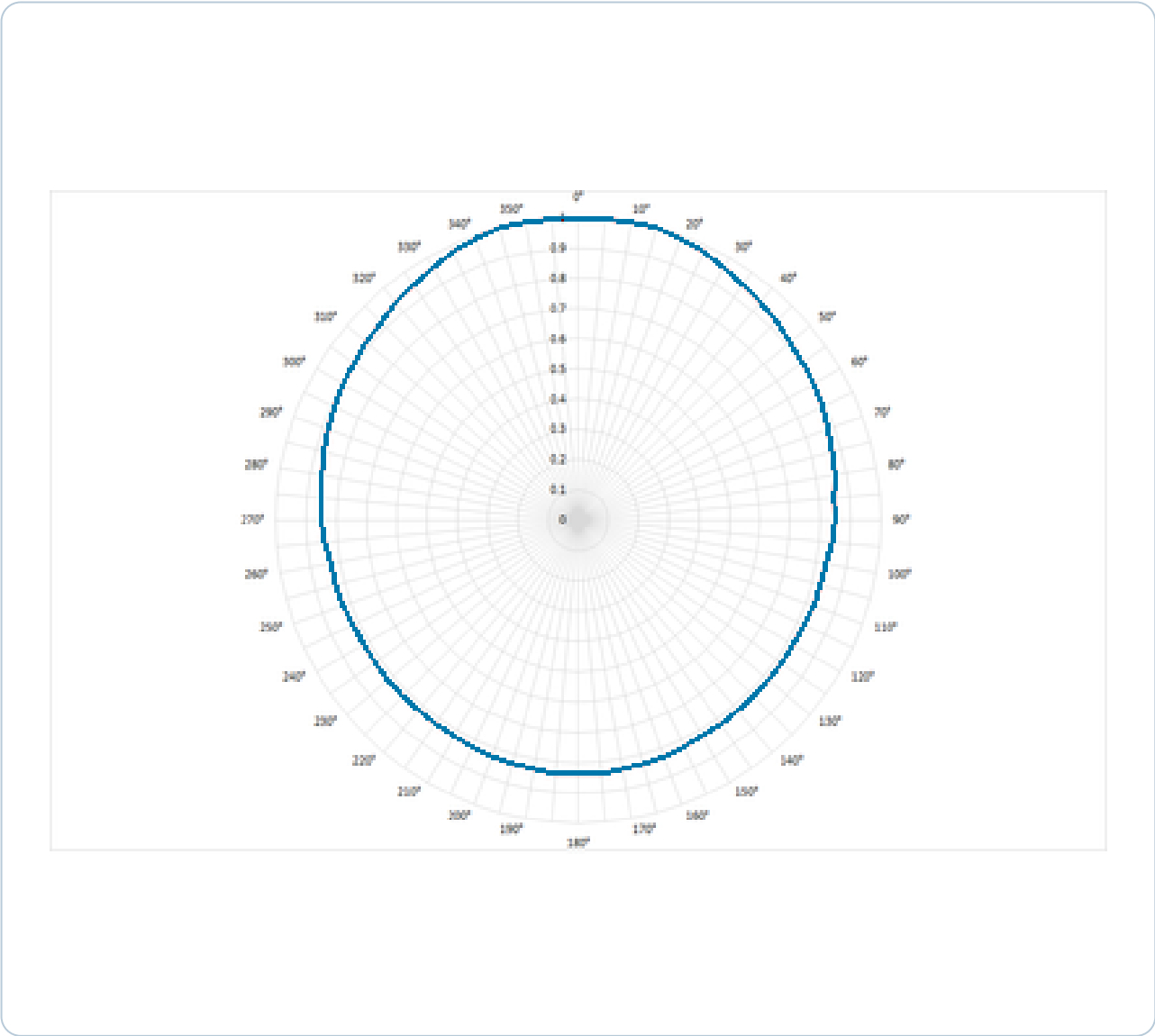
Definições e observações

A = Altura total do sistema (mm)
B = Centro de fase do sistema (mm)

Área exposta em m²
Carga ao vento em kgf
Peso em kg

Diagrama horizontal - 360°

Plano H | curva normalizada E/Emax | ASCLN



Parâmetros da configuração				
DIAGRAMA	2 FENDAS	4 FENDAS	6 FENDAS	8 FENDAS
360°	4,6 dBd	7,6 dBd	9,4 dBd	10,6 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Azimute

ASCLN | 360° | valores do catálogo de referência



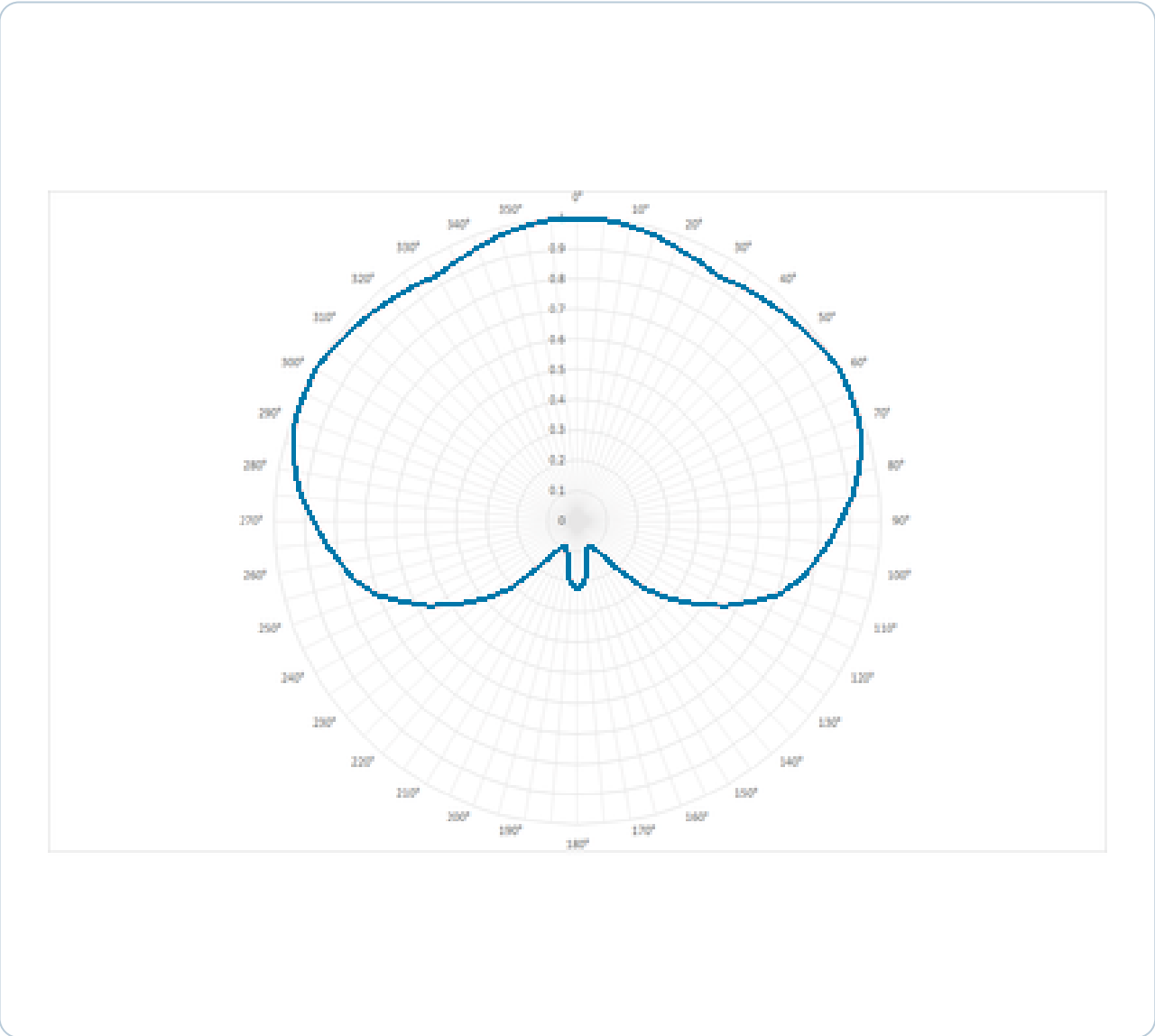
Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
1	0.00	1.000	61	-0.94	0.897	121	-1.72	0.820	181	-1.51	0.840	241	-1.72	0.820	301	-0.91	0.901
2	0.00	1.000	62	-0.97	0.894	122	-1.72	0.820	182	-1.51	0.840	242	-1.72	0.820	302	-0.90	0.902
3	0.00	1.000	63	-0.97	0.894	123	-1.72	0.820	183	-1.51	0.840	243	-1.72	0.820	303	-0.90	0.902
4	0.00	1.000	64	-0.99	0.892	124	-1.72	0.820	184	-1.50	0.841	244	-1.72	0.820	304	-0.89	0.903
5	0.00	1.000	65	-1.01	0.890	125	-1.72	0.820	185	-1.50	0.841	245	-1.72	0.820	305	-0.88	0.904
6	0.00	1.000	66	-1.04	0.887	126	-1.72	0.820	186	-1.52	0.839	246	-1.70	0.822	306	-0.85	0.907
7	0.00	1.000	67	-1.07	0.884	127	-1.72	0.820	187	-1.54	0.838	247	-1.68	0.824	307	-0.83	0.909
8	0.00	1.000	68	-1.07	0.884	128	-1.72	0.820	188	-1.54	0.838	248	-1.68	0.824	308	-0.83	0.909
9	0.00	1.000	69	-1.10	0.881	129	-1.72	0.820	189	-1.56	0.836	249	-1.66	0.826	309	-0.80	0.912
10	0.00	1.000	70	-1.13	0.878	130	-1.72	0.820	190	-1.58	0.834	250	-1.64	0.828	310	-0.77	0.915
11	0.00	1.000	71	-1.15	0.876	131	-1.72	0.820	191	-1.59	0.833	251	-1.64	0.828	311	-0.75	0.917
12	0.00	1.000	72	-1.18	0.873	132	-1.72	0.820	192	-1.59	0.833	252	-1.63	0.829	312	-0.74	0.918
13	0.00	1.000	73	-1.18	0.873	133	-1.72	0.820	193	-1.59	0.833	253	-1.63	0.829	313	-0.74	0.918
14	0.00	1.000	74	-1.20	0.871	134	-1.72	0.820	194	-1.60	0.832	254	-1.63	0.829	314	-0.72	0.920
15	0.00	1.000	75	-1.22	0.869	135	-1.72	0.820	195	-1.60	0.832	255	-1.62	0.830	315	-0.70	0.923
16	-0.02	0.998	76	-1.24	0.867	136	-1.72	0.820	196	-1.61	0.831	256	-1.62	0.830	316	-0.66	0.927
17	-0.05	0.994	77	-1.27	0.864	137	-1.72	0.820	197	-1.61	0.831	257	-1.62	0.830	317	-0.62	0.931
18	-0.05	0.994	78	-1.27	0.864	138	-1.72	0.820	198	-1.61	0.831	258	-1.62	0.830	318	-0.62	0.931
19	-0.07	0.992	79	-1.29	0.862	139	-1.72	0.820	199	-1.62	0.830	259	-1.62	0.830	319	-0.58	0.935
20	-0.09	0.990	80	-1.31	0.860	140	-1.72	0.820	200	-1.62	0.830	260	-1.62	0.830	320	-0.54	0.940
21	-0.11	0.987	81	-1.34	0.857	141	-1.72	0.820	201	-1.63	0.829	261	-1.59	0.833	321	-0.52	0.942
22	-0.14	0.984	82	-1.36	0.855	142	-1.72	0.820	202	-1.65	0.827	262	-1.57	0.835	322	-0.50	0.944
23	-0.14	0.984	83	-1.36	0.855	143	-1.72	0.820	203	-1.65	0.827	263	-1.57	0.835	323	-0.50	0.944
24	-0.16	0.982	84	-1.39	0.852	144	-1.72	0.820	204	-1.66	0.826	264	-1.54	0.838	324	-0.47	0.947
25	-0.18	0.979	85	-1.41	0.850	145	-1.72	0.820	205	-1.67	0.825	265	-1.51	0.840	325	-0.45	0.950
26	-0.22	0.975	86	-1.41	0.850	146	-1.72	0.820	206	-1.68	0.824	266	-1.49	0.842	326	-0.42	0.953
27	-0.26	0.971	87	-1.41	0.850	147	-1.71	0.821	207	-1.69	0.823	267	-1.46	0.845	327	-0.39	0.956
28	-0.26	0.971	88	-1.41	0.850	148	-1.71	0.821	208	-1.69	0.823	268	-1.46	0.845	328	-0.39	0.956
29	-0.29	0.967	89	-1.41	0.850	149	-1.71	0.821	209	-1.69	0.823	269	-1.44	0.847	329	-0.36	0.959
30	-0.33	0.963	90	-1.41	0.850	150	-1.70	0.822	210	-1.70	0.822	270	-1.41	0.850	330	-0.33	0.963
31	-0.36	0.959	91	-1.44	0.847	151	-1.69	0.823	211	-1.71	0.821	271	-1.41	0.850	331	-0.29	0.967
32	-0.39	0.956	92	-1.46	0.845	152	-1.69	0.823	212	-1.71	0.821	272	-1.41	0.850	332	-0.26	0.971
33	-0.39	0.956	93	-1.46	0.845	153	-1.69	0.823	213	-1.71	0.821	273	-1.41	0.850	333	-0.26	0.971
34	-0.42	0.953	94	-1.49	0.842	154	-1.68	0.824	214	-1.72	0.820	274	-1.41	0.850	334	-0.22	0.975
35	-0.45	0.950	95	-1.51	0.840	155	-1.67	0.825	215	-1.72	0.820	275	-1.41	0.850	335	-0.18	0.979
36	-0.47	0.947	96	-1.53	0.838	156	-1.66	0.826	216	-1.72	0.820	276	-1.39	0.852	336	-0.16	0.982
37	-0.50	0.944	97	-1.56	0.836	157	-1.65	0.827	217	-1.72	0.820	277	-1.36	0.855	337	-0.14	0.984
38	-0.50	0.944	98	-1.56	0.836	158	-1.65	0.827	218	-1.72	0.820	278	-1.36	0.855	338	-0.14	0.984
39	-0.52	0.942	99	-1.58	0.834	159	-1.63	0.829	219	-1.72	0.820	279	-1.34	0.857	339	-0.11	0.987
40	-0.54	0.940	100	-1.60	0.832	160	-1.62	0.830	220	-1.72	0.820	280	-1.31	0.860	340	-0.09	0.990
41	-0.57	0.936	101	-1.61	0.831	161	-1.62	0.830	221	-1.72	0.820	281	-1.29	0.862	341	-0.07	0.992
42	-0.60	0.933	102	-1.61	0.831	162	-1.61	0.831	222	-1.72	0.820	282	-1.26	0.865	342	-0.05	0.994
43	-0.60	0.933	103	-1.61	0.831	163	-1.61	0.831	223	-1.72	0.820	283	-1.26	0.865	343	-0.05	0.994
44	-0.62	0.931	104	-1.62	0.830	164	-1.61	0.831	224	-1.72	0.820	284	-1.24	0.867	344	-0.02	0.998
45	-0.65	0.928	105	-1.62	0.830	165	-1.60	0.832	225	-1.72	0.820	285	-1.21	0.870	345	0.00	1.000
46	-0.68	0.925	106	-1.63	0.829	166	-1.60	0.832	226	-1.72	0.820	286	-1.19	0.872	346	0.00	1.000
47	-0.71	0.922	107	-1.63	0.829	167	-1.59	0.833	227	-1.72	0.820	287	-1.16	0.875	347	0.00	1.000
48	-0.71	0.922	108	-1.63	0.829	168	-1.59	0.833	228	-1.72	0.820	288	-1.16	0.875	348	0.00	1.000
49	-0.74	0.918	109	-1.64	0.828	169	-1.59	0.833	229	-1.72	0.820	289	-1.14	0.877	349	0.00	1.000
50	-0.77	0.915	110	-1.64	0.828	170	-1.58	0.834	230	-1.72	0.820	290	-1.11	0.880	350	0.00	1.000
51	-0.80	0.912	111	-1.66	0.826	171	-1.56	0.836	231	-1.72	0.820	291	-1.09	0.882	351	0.00	1.000
52	-0.83	0.909	112	-1.68	0.824	172	-1.54	0.838	232	-1.72	0.820	292	-1.06	0.885	352	0.00	1.000
53	-0.83	0.909	113	-1.68	0.824	173	-1.54	0.838	233	-1.72	0.820	293	-1.06	0.885	353	0.00	1.000
54	-0.85	0.907	114	-1.70	0.822	174	-1.52	0.839	234	-1.72	0.820	294	-1.04	0.887	354	0.00	1.000
55	-0.88	0.904	115	-1.72	0.820	175	-1.50	0.841	235	-1.72	0.820	295	-1.01	0.890	355	0.00	1.000
56	-0.89	0.903	116	-1.72	0.820	176	-1.50	0.841	236	-1.72	0.820	296	-0.99	0.892	356	0.00	1.000
57	-0.90	0.902	117	-1.72	0.820	177	-1.51	0.840	237	-1.72	0.820	297	-0.97	0.894	357	0.00	1.000
58	-0.90	0.902	118	-1.72	0.820	178	-1.51	0.840	238	-1.72	0.820	298	-0.97	0.894	358	0.00	1.000
59	-0.91	0.901	119	-1.72	0.820	179	-1.51	0.840	239	-1.72	0.820	299	-0.94	0.897	359	0.00	1.000
60	-0.90	0.899	120	-1.72	0.820	180	-1.51	0.840	240	-1.72	0.820	300	-0.92	0.899	360	0.00	1.000

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama horizontal - 220°

Plano H | curva normalizada E/Emax | ASCLN



Parâmetros da configuração				
DIAGRAMA	2 FENDAS	4 FENDAS	6 FENDAS	8 FENDAS
220°	5,6 dBd	8,6 dBd	10,4 dBd	11,6 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Azimute

ASCLN | 220° | valores do catálogo de referência



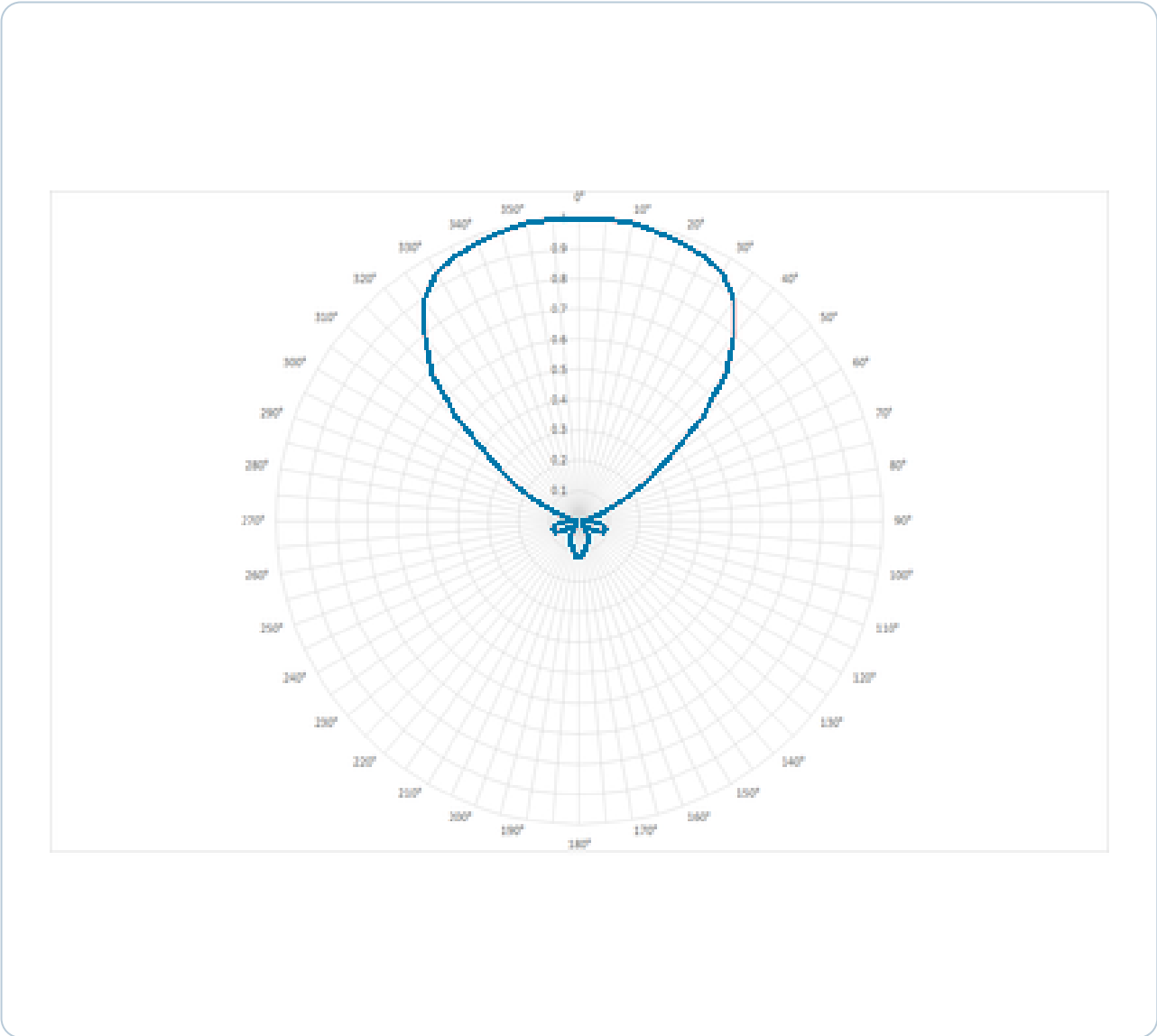
Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
1	0.00	1.000	61	-0.01	0.999	121	-5.38	0.538	181	-13.13	0.221	241	-4.75	0.579	301	-0.03	0.997
2	0.00	1.000	62	-0.03	0.997	122	-5.75	0.516	182	-13.25	0.218	242	-4.50	0.596	302	-0.05	0.994
3	0.00	1.000	63	-0.03	0.997	123	-5.75	0.516	183	-13.25	0.218	243	-4.50	0.596	303	-0.05	0.994
4	0.00	1.000	64	-0.04	0.995	124	-6.13	0.494	184	-13.38	0.214	244	-4.25	0.613	304	-0.08	0.991
5	0.00	1.000	65	-0.05	0.994	125	-6.50	0.473	185	-13.50	0.211	245	-4.00	0.631	305	-0.10	0.989
6	-0.03	0.997	66	-0.06	0.993	126	-6.88	0.453	186	-13.88	0.202	246	-3.75	0.649	306	-0.13	0.985
7	-0.05	0.994	67	-0.08	0.991	127	-7.25	0.434	187	-14.25	0.194	247	-3.50	0.668	307	-0.15	0.983
8	-0.05	0.994	68	-0.08	0.991	128	-7.25	0.434	188	-14.25	0.194	248	-3.50	0.668	308	-0.15	0.983
9	-0.08	0.991	69	-0.09	0.990	129	-7.63	0.415	189	-14.63	0.186	249	-3.25	0.688	309	-0.18	0.979
10	-0.10	0.989	70	-0.10	0.989	130	-8.00	0.398	190	-15.00	0.178	250	-3.00	0.708	310	-0.20	0.977
11	-0.13	0.985	71	-0.14	0.984	131	-8.50	0.376	191	-15.75	0.163	251	-2.85	0.720	311	-0.23	0.974
12	-0.15	0.983	72	-0.18	0.979	132	-9.00	0.355	192	-16.50	0.150	252	-2.70	0.733	312	-0.25	0.972
13	-0.15	0.983	73	-0.18	0.979	133	-9.00	0.355	193	-16.50	0.150	253	-2.70	0.733	313	-0.25	0.972
14	-0.18	0.979	74	-0.21	0.976	134	-9.50	0.335	194	-17.25	0.137	254	-2.55	0.746	314	-0.28	0.968
15	-0.20	0.977	75	-0.25	0.972	135	-10.00	0.316	195	-18.00	0.126	255	-2.40	0.759	315	-0.30	0.966
16	-0.24	0.973	76	-0.31	0.965	136	-11.00	0.282	196	-18.50	0.119	256	-2.30	0.767	316	-0.33	0.963
17	-0.28	0.968	77	-0.38	0.957	137	-12.00	0.251	197	-19.00	0.112	257	-2.20	0.776	317	-0.35	0.961
18	-0.28	0.968	78	-0.38	0.957	138	-12.00	0.251	198	-19.00	0.112	258	-2.20	0.776	318	-0.35	0.961
19	-0.31	0.965	79	-0.44	0.951	139	-13.00	0.224	199	-19.50	0.106	259	-2.10	0.785	319	-0.38	0.957
20	-0.35	0.961	80	-0.50	0.944	140	-14.00	0.200	200	-20.00	0.100	260	-2.00	0.794	320	-0.40	0.955
21	-0.39	0.956	81	-0.58	0.935	141	-15.00	0.178	201	-20.25	0.097	261	-1.90	0.804	321	-0.43	0.952
22	-0.43	0.952	82	-0.65	0.928	142	-16.00	0.158	202	-20.50	0.094	262	-1.80	0.813	322	-0.45	0.950
23	-0.43	0.952	83	-0.65	0.928	143	-16.00	0.158	203	-20.50	0.094	263	-1.80	0.813	323	-0.45	0.950
24	-0.46	0.948	84	-0.73	0.919	144	-17.00	0.141	204	-20.75	0.092	264	-1.70	0.822	324	-0.48	0.946
25	-0.50	0.944	85	-0.80	0.912	145	-18.00	0.126	205	-21.00	0.089	265	-1.60	0.832	325	-0.50	0.944
26	-0.53	0.941	86	-0.90	0.902	146	-18.50	0.119	206	-20.75	0.092	266	-1.50	0.841	326	-0.53	0.941
27	-0.55	0.939	87	-1.00	0.891	147	-19.00	0.112	207	-20.50	0.094	267	-1.40	0.851	327	-0.55	0.939
28	-0.55	0.939	88	-1.00	0.891	148	-19.00	0.112	208	-20.50	0.094	268	-1.40	0.851	328	-0.55	0.939
29	-0.58	0.935	89	-1.10	0.881	149	-19.50	0.106	209	-20.25	0.097	269	-1.30	0.861	329	-0.58	0.935
30	-0.60	0.933	90	-1.20	0.871	150	-20.00	0.100	210	-20.00	0.100	270	-1.20	0.871	330	-0.60	0.933
31	-0.58	0.935	91	-1.30	0.861	151	-20.25	0.097	211	-19.50	0.106	271	-1.10	0.881	331	-0.58	0.935
32	-0.55	0.939	92	-1.40	0.851	152	-20.50	0.094	212	-19.00	0.112	272	-1.00	0.891	332	-0.55	0.939
33	-0.55	0.939	93	-1.40	0.851	153	-20.50	0.094	213	-19.00	0.112	273	-1.00	0.891	333	-0.55	0.939
34	-0.53	0.941	94	-1.50	0.841	154	-20.75	0.092	214	-18.50	0.119	274	-0.90	0.902	334	-0.53	0.941
35	-0.50	0.944	95	-1.60	0.832	155	-21.00	0.089	215	-18.00	0.126	275	-0.80	0.912	335	-0.50	0.944
36	-0.48	0.946	96	-1.70	0.822	156	-20.75	0.092	216	-17.00	0.141	276	-0.73	0.919	336	-0.46	0.948
37	-0.45	0.950	97	-1.80	0.813	157	-20.50	0.094	217	-16.00	0.158	277	-0.65	0.928	337	-0.43	0.952
38	-0.45	0.950	98	-1.80	0.813	158	-20.50	0.094	218	-16.00	0.158	278	-0.65	0.928	338	-0.43	0.952
39	-0.43	0.952	99	-1.90	0.804	159	-20.25	0.097	219	-15.00	0.178	279	-0.58	0.935	339	-0.39	0.956
40	-0.40	0.955	100	-2.00	0.794	160	-20.00	0.100	220	-14.00	0.200	280	-0.50	0.944	340	-0.35	0.961
41	-0.38	0.957	101	-2.10	0.785	161	-19.50	0.106	221	-13.00	0.224	281	-0.44	0.951	341	-0.31	0.965
42	-0.35	0.961	102	-2.20	0.776	162	-19.00	0.112	222	-12.00	0.251	282	-0.38	0.957	342	-0.28	0.968
43	-0.35	0.961	103	-2.20	0.776	163	-19.00	0.112	223	-12.00	0.251	283	-0.38	0.957	343	-0.28	0.968
44	-0.33	0.963	104	-2.30	0.767	164	-18.50	0.119	224	-11.00	0.282	284	-0.31	0.965	344	-0.24	0.973
45	-0.30	0.966	105	-2.40	0.759	165	-18.00	0.126	225	-10.00	0.316	285	-0.25	0.972	345	-0.20	0.977
46	-0.28	0.968	106	-2.55	0.746	166	-17.25	0.137	226	-9.50	0.335	286	-0.21	0.976	346	-0.18	0.979
47	-0.25	0.972	107	-2.70	0.733	167	-16.50	0.150	227	-9.00	0.355	287	-0.18	0.979	347	-0.15	0.983
48	-0.25	0.972	108	-2.70	0.733	168	-16.50	0.150	228	-9.00	0.355	288	-0.18	0.979	348	-0.15	0.983
49	-0.23	0.974	109	-2.85	0.720	169	-15.75	0.163	229	-8.50	0.376	289	-0.14	0.984	349	-0.13	0.985
50	-0.20	0.977	110	-3.00	0.708	170	-15.00	0.178	230	-8.00	0.398	290	-0.10	0.989	350	-0.10	0.989
51	-0.18	0.979	111	-3.25	0.688	171	-14.63	0.186	231	-7.63	0.415	291	-0.09	0.990	351	-0.08	0.991
52	-0.15	0.983	112	-3.50	0.668	172	-14.25	0.194	232	-7.25	0.434	292	-0.08	0.991	352	-0.05	0.994
53	-0.15	0.983	113	-3.50	0.668	173	-14.25	0.194	233	-7.25	0.434	293	-0.08	0.991	353	-0.05	0.994
54	-0.13	0.985	114	-3.75	0.649	174	-13.88	0.202	234	-6.88	0.453	294	-0.06	0.993	354	-0.03	0.997
55	-0.10	0.989	115	-4.00	0.631	175	-13.50	0.211	235	-6.50	0.473	295	-0.05	0.994	355	0.00	1.000
56	-0.08	0.991	116	-4.25	0.613	176	-13.38	0.214	236	-6.13	0.494	296	-0.04	0.995	356	0.00	1.000
57	-0.05	0.994	117	-4.50	0.596	177	-13.25	0.218	237	-5.75	0.516	297	-0.03	0.997	357	0.00	1.000
58	-0.05	0.994	118	-4.50	0.596	178	-13.25	0.218	238	-5.75	0.516	298	-0.03	0.997	358	0.00	1.000
59	-0.03	0.997	119	-4.75	0.579	179	-13.13	0.221	239	-5.38	0.538	299	-0.01	0.999	359	0.00	1.000
60	0.00	1.000	120	-5.00	0.562	180	-13.00	0.224	240	-5.00	0.562	300	0.00	1.000	360	0.00	1.000

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama horizontal - 90°

Plano H | curva normalizada E/Emax | ASCLN



Parâmetros da configuração				
DIAGRAMA	2 FENDAS	4 FENDAS	6 FENDAS	8 FENDAS
90°	8,3 dBd	11,3 dBd	13,1 dBd	14,3 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Azimute

ASCLN | 90° | valores do catálogo de referência



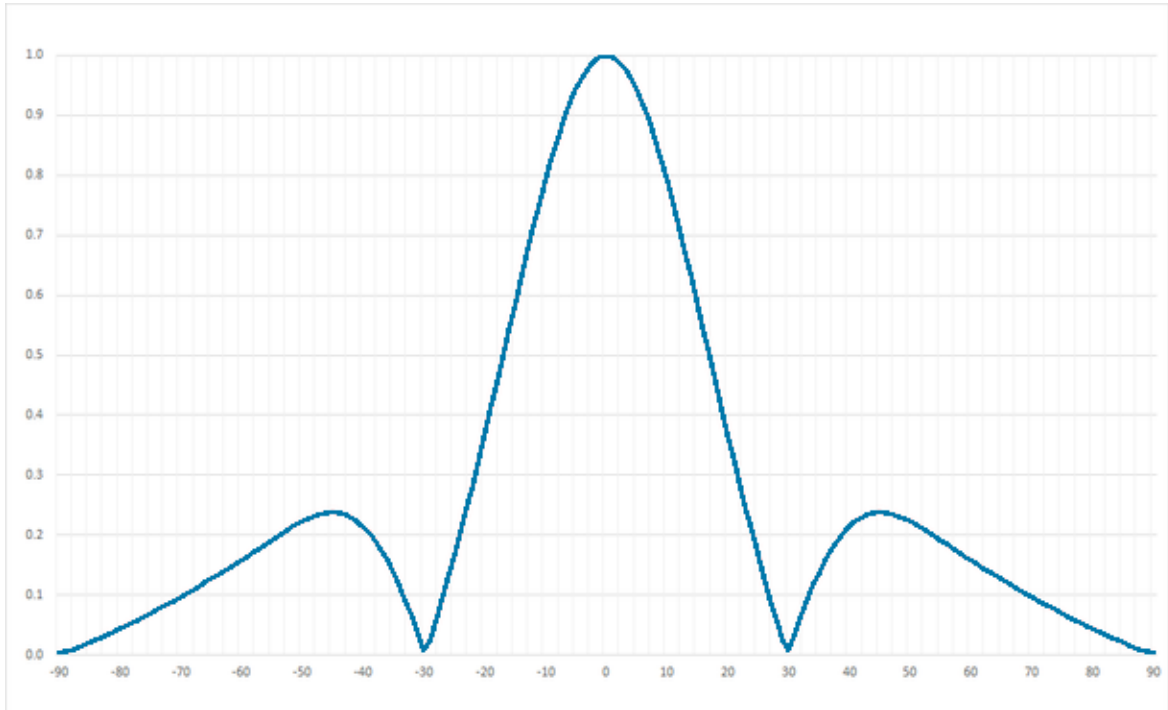
Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
1	0.00	1.000	61	-12.98	0.224	121	-23.83	0.064	181	-18.40	0.120	241	-22.55	0.075	301	-11.28	0.273
2	0.00	1.000	62	-13.95	0.201	122	-24.55	0.059	182	-18.40	0.120	242	-22.00	0.079	302	-10.55	0.297
3	0.00	1.000	63	-13.95	0.201	123	-24.55	0.059	183	-18.40	0.120	243	-22.00	0.079	303	-10.55	0.297
4	0.00	1.000	64	-14.93	0.179	124	-25.28	0.054	184	-18.40	0.120	244	-21.45	0.085	304	-9.83	0.322
5	0.00	1.000	65	-15.90	0.160	125	-26.00	0.050	185	-18.40	0.120	245	-20.90	0.090	305	-9.10	0.351
6	0.00	1.000	66	-17.15	0.139	126	-26.50	0.047	186	-18.80	0.115	246	-20.90	0.090	306	-8.20	0.389
7	0.00	1.000	67	-18.40	0.120	127	-27.00	0.045	187	-19.20	0.110	247	-20.90	0.090	307	-7.30	0.432
8	0.00	1.000	68	-18.40	0.120	128	-27.00	0.045	188	-19.20	0.110	248	-20.90	0.090	308	-7.30	0.432
9	0.00	1.000	69	-19.65	0.104	129	-27.50	0.042	189	-19.60	0.105	249	-20.90	0.090	309	-6.40	0.479
10	0.00	1.000	70	-20.90	0.090	130	-28.00	0.040	190	-20.00	0.100	250	-20.90	0.090	310	-5.50	0.531
11	-0.03	0.997	71	-23.30	0.068	131	-29.50	0.033	191	-20.23	0.097	251	-20.90	0.090	311	-4.95	0.566
12	-0.05	0.994	72	-25.70	0.052	132	-31.00	0.028	192	-20.45	0.095	252	-20.90	0.090	312	-4.40	0.603
13	-0.05	0.994	73	-25.70	0.052	133	-31.00	0.028	193	-20.45	0.095	253	-20.90	0.090	313	-4.40	0.603
14	-0.08	0.991	74	-28.10	0.039	134	-32.50	0.024	194	-20.68	0.092	254	-20.90	0.090	314	-3.85	0.642
15	-0.10	0.989	75	-30.50	0.030	135	-34.00	0.020	195	-20.90	0.090	255	-20.90	0.090	315	-3.30	0.684
16	-0.13	0.985	76	-32.88	0.023	136	-34.00	0.020	196	-21.15	0.088	256	-21.15	0.088	316	-2.98	0.710
17	-0.15	0.983	77	-35.25	0.017	137	-34.00	0.020	197	-21.40	0.085	257	-21.40	0.085	317	-2.65	0.737
18	-0.15	0.983	78	-35.25	0.017	138	-34.00	0.020	198	-21.40	0.085	258	-21.40	0.085	318	-2.65	0.737
19	-0.18	0.979	79	-37.63	0.013	139	-34.00	0.020	199	-21.65	0.083	259	-21.65	0.083	319	-2.33	0.765
20	-0.20	0.977	80	-40.00	0.010	140	-34.00	0.020	200	-21.90	0.080	260	-21.90	0.080	320	-2.00	0.794
21	-0.23	0.974	81	-37.63	0.013	141	-32.50	0.024	201	-22.20	0.078	261	-22.53	0.075	321	-1.75	0.818
22	-0.25	0.972	82	-35.25	0.017	142	-31.00	0.028	202	-22.50	0.075	262	-23.15	0.070	322	-1.50	0.841
23	-0.25	0.972	83	-35.25	0.017	143	-31.00	0.028	203	-22.50	0.075	263	-23.15	0.070	323	-1.50	0.841
24	-0.28	0.968	84	-32.88	0.023	144	-29.50	0.033	204	-22.80	0.072	264	-23.78	0.065	324	-1.25	0.866
25	-0.30	0.966	85	-30.50	0.030	145	-28.00	0.040	205	-23.10	0.070	265	-24.40	0.060	325	-1.00	0.891
26	-0.35	0.961	86	-29.88	0.032	146	-27.50	0.042	206	-23.43	0.067	266	-25.30	0.054	326	-0.88	0.904
27	-0.40	0.955	87	-29.25	0.034	147	-27.00	0.045	207	-23.75	0.065	267	-26.20	0.049	327	-0.75	0.917
28	-0.40	0.955	88	-29.25	0.034	148	-27.00	0.045	208	-23.75	0.065	268	-26.20	0.049	328	-0.75	0.917
29	-0.45	0.950	89	-28.63	0.037	149	-26.50	0.047	209	-24.08	0.063	269	-27.10	0.044	329	-0.63	0.930
30	-0.50	0.944	90	-28.00	0.040	150	-26.00	0.050	210	-24.40	0.060	270	-28.00	0.040	330	-0.50	0.944
31	-0.63	0.930	91	-27.10	0.044	151	-25.28	0.054	211	-25.30	0.054	271	-28.63	0.037	331	-0.45	0.950
32	-0.75	0.917	92	-26.20	0.049	152	-24.55	0.059	212	-26.20	0.049	272	-29.25	0.034	332	-0.40	0.955
33	-0.75	0.917	93	-26.20	0.049	153	-24.55	0.059	213	-26.20	0.049	273	-29.25	0.034	333	-0.40	0.955
34	-0.88	0.904	94	-25.30	0.054	154	-23.83	0.064	214	-27.10	0.044	274	-29.88	0.032	334	-0.35	0.961
35	-1.00	0.891	95	-24.40	0.060	155	-23.10	0.070	215	-28.00	0.040	275	-30.50	0.030	335	-0.30	0.966
36	-1.26	0.865	96	-23.78	0.065	156	-22.80	0.072	216	-29.50	0.033	276	-32.88	0.023	336	-0.28	0.968
37	-1.50	0.841	97	-23.15	0.070	157	-22.50	0.075	217	-31.00	0.028	277	-35.25	0.017	337	-0.25	0.972
38	-1.50	0.841	98	-23.15	0.070	158	-22.50	0.075	218	-31.00	0.028	278	-35.25	0.017	338	-0.25	0.972
39	-1.75	0.818	99	-22.53	0.075	159	-22.20	0.078	219	-32.50	0.024	279	-37.63	0.013	339	-0.23	0.974
40	-2.00	0.794	100	-21.90	0.080	160	-21.90	0.080	220	-34.00	0.020	280	-40.00	0.010	340	-0.20	0.977
41	-2.33	0.765	101	-21.65	0.083	161	-21.65	0.083	221	-34.00	0.020	281	-37.63	0.013	341	-0.18	0.979
42	-2.65	0.737	102	-21.40	0.085	162	-21.40	0.085	222	-34.00	0.020	282	-35.25	0.017	342	-0.15	0.983
43	-2.65	0.737	103	-21.40	0.085	163	-21.40	0.085	223	-34.00	0.020	283	-35.25	0.017	343	-0.15	0.983
44	-2.98	0.710	104	-21.15	0.088	164	-21.15	0.088	224	-34.00	0.020	284	-32.88	0.023	344	-0.13	0.985
45	-3.30	0.684	105	-20.90	0.090	165	-20.90	0.090	225	-34.00	0.020	285	-30.50	0.030	345	-0.10	0.989
46	-3.85	0.642	106	-20.90	0.090	166	-20.68	0.092	226	-32.50	0.024	286	-28.10	0.039	346	-0.08	0.991
47	-4.40	0.603	107	-20.90	0.090	167	-20.45	0.095	227	-31.00	0.028	287	-25.70	0.052	347	-0.05	0.994
48	-4.40	0.603	108	-20.90	0.090	168	-20.45	0.095	228	-31.00	0.028	288	-25.70	0.052	348	-0.05	0.994
49	-4.95	0.566	109	-20.90	0.090	169	-20.23	0.097	229	-29.50	0.033	289	-23.30	0.068	349	-0.03	0.997
50	-5.50	0.531	110	-20.90	0.090	170	-20.00	0.100	230	-28.00	0.040	290	-20.90	0.090	350	0.00	1.000
51	-6.40	0.479	111	-20.90	0.090	171	-19.60	0.105	231	-27.50	0.042	291	-19.65	0.104	351	0.00	1.000
52	-7.30	0.432	112	-20.90	0.090	172	-19.20	0.110	232	-27.00	0.045	292	-18.40	0.120	352	0.00	1.000
53	-7.30	0.432	113	-20.90	0.090	173	-19.20	0.110	233	-27.00	0.045	293	-18.40	0.120	353	0.00	1.000
54	-8.20	0.389	114	-20.90	0.090	174	-18.80	0.115	234	-26.50	0.047	294	-17.15	0.139	354	0.00	1.000
55	-9.10	0.351	115	-20.90	0.090	175	-18.40	0.120	235	-26.00	0.050	295	-15.90	0.160	355	0.00	1.000
56	-9.83	0.322	116	-21.45	0.085	176	-18.40	0.120	236	-25.28	0.054	296	-14.93	0.179	356	0.00	1.000
57	-10.55	0.297	117	-22.00	0.079	177	-18.40	0.120	237	-24.55	0.059	297	-13.95	0.201	357	0.00	1.000
58	-10.55	0.297	118	-22.00	0.079	178	-18.40	0.120	238	-24.55	0.059	298	-13.95	0.201	358	0.00	1.000
59	-11.28	0.273	119	-22.55	0.075	179	-18.40	0.120	239	-23.83	0.064	299	-12.98	0.224	359	0.00	1.000
60	-12.00	0.251	120	-23.10	0.070	180	-18.40	0.120	240	-23.10	0.070	300	-12.00	0.251	360	0.00	1.000

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 2 fendas

Plano V | curva normalizada E/Emax | ASCLN



Parâmetros da configuração				
FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 220°	GANHO 90°
2	27°	4,6 dBd	5,6 dBd	8,3 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCLN | 2 fendas | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-46.65	0.005	-60	-16.03	0.158	-30	-41.01	0.009	0	0.00	1.000	30	-41.01	0.009	60	-16.03	0.158
-89	-45.60	0.005	-59	-15.67	0.165	-29	-32.13	0.025	1	-0.02	0.998	31	-28.53	0.037	61	-16.39	0.152
-88	-41.57	0.008	-58	-15.33	0.171	-28	-24.81	0.057	2	-0.08	0.991	32	-23.69	0.065	62	-16.76	0.145
-87	-38.27	0.012	-57	-14.99	0.178	-27	-20.73	0.092	3	-0.18	0.979	33	-20.77	0.092	63	-17.15	0.139
-86	-35.75	0.016	-56	-14.66	0.185	-26	-17.87	0.128	4	-0.32	0.964	34	-18.74	0.116	64	-17.54	0.133
-85	-33.73	0.021	-55	-14.35	0.192	-25	-15.65	0.165	5	-0.50	0.944	35	-17.22	0.138	65	-17.95	0.127
-84	-32.05	0.025	-54	-14.05	0.198	-24	-13.83	0.203	6	-0.72	0.920	36	-16.05	0.158	66	-18.37	0.121
-83	-30.61	0.029	-53	-13.76	0.205	-23	-12.29	0.243	7	-0.98	0.893	37	-15.12	0.175	67	-18.81	0.115
-82	-29.35	0.034	-52	-13.49	0.212	-22	-10.95	0.283	8	-1.29	0.862	38	-14.39	0.191	68	-19.26	0.109
-81	-28.22	0.039	-51	-13.24	0.218	-21	-9.76	0.325	9	-1.63	0.829	39	-13.81	0.204	69	-19.74	0.103
-80	-27.21	0.044	-50	-13.02	0.223	-20	-8.70	0.367	10	-2.02	0.793	40	-13.36	0.215	70	-20.24	0.097
-79	-26.27	0.049	-49	-12.83	0.228	-19	-7.74	0.410	11	-2.45	0.754	41	-13.02	0.223	71	-20.78	0.091
-78	-25.41	0.054	-48	-12.68	0.232	-18	-6.86	0.454	12	-2.93	0.714	42	-12.77	0.230	72	-21.32	0.086
-77	-24.62	0.059	-47	-12.56	0.236	-17	-6.06	0.498	13	-3.45	0.672	43	-12.60	0.234	73	-21.90	0.080
-76	-23.87	0.064	-46	-12.49	0.237	-16	-5.32	0.542	14	-4.02	0.630	44	-12.50	0.237	74	-22.52	0.075
-75	-23.17	0.069	-45	-12.46	0.238	-15	-4.64	0.586	15	-4.64	0.586	45	-12.46	0.238	75	-23.17	0.069
-74	-22.52	0.075	-44	-12.50	0.237	-14	-4.02	0.630	16	-5.32	0.542	46	-12.49	0.237	76	-23.87	0.064
-73	-21.90	0.080	-43	-12.60	0.234	-13	-3.45	0.672	17	-6.06	0.498	47	-12.58	0.235	77	-24.62	0.059
-72	-21.32	0.086	-42	-12.77	0.230	-12	-2.93	0.714	18	-6.86	0.454	48	-12.68	0.232	78	-25.41	0.054
-71	-20.76	0.092	-41	-13.02	0.223	-11	-2.45	0.754	19	-7.74	0.410	49	-12.83	0.228	79	-26.27	0.049
-70	-20.24	0.097	-40	-13.36	0.215	-10	-2.02	0.793	20	-8.70	0.367	50	-13.02	0.223	80	-27.21	0.044
-69	-19.74	0.103	-39	-13.81	0.204	-9	-1.63	0.829	21	-9.76	0.325	51	-13.24	0.218	81	-28.22	0.039
-68	-19.26	0.109	-38	-14.39	0.191	-8	-1.29	0.862	22	-10.95	0.283	52	-13.49	0.212	82	-29.35	0.034
-67	-18.81	0.115	-37	-15.12	0.175	-7	-0.98	0.893	23	-12.29	0.243	53	-13.78	0.205	83	-30.61	0.029
-66	-18.37	0.121	-36	-16.05	0.158	-6	-0.72	0.920	24	-13.83	0.203	54	-14.05	0.198	84	-32.05	0.025
-65	-17.95	0.127	-35	-17.22	0.138	-5	-0.50	0.944	25	-15.65	0.165	55	-14.35	0.192	85	-33.73	0.021
-64	-17.54	0.133	-34	-18.74	0.116	-4	-0.32	0.964	26	-17.87	0.128	56	-14.68	0.185	86	-35.75	0.016
-63	-17.15	0.139	-33	-20.77	0.092	-3	-0.18	0.979	27	-20.73	0.092	57	-14.99	0.178	87	-38.27	0.012
-62	-16.76	0.145	-32	-23.69	0.065	-2	-0.08	0.991	28	-24.81	0.057	58	-15.33	0.171	88	-41.57	0.008
-61	-16.39	0.152	-31	-28.53	0.037	-1	-0.02	0.998	29	-32.13	0.025	59	-15.67	0.165	89	-45.80	0.005

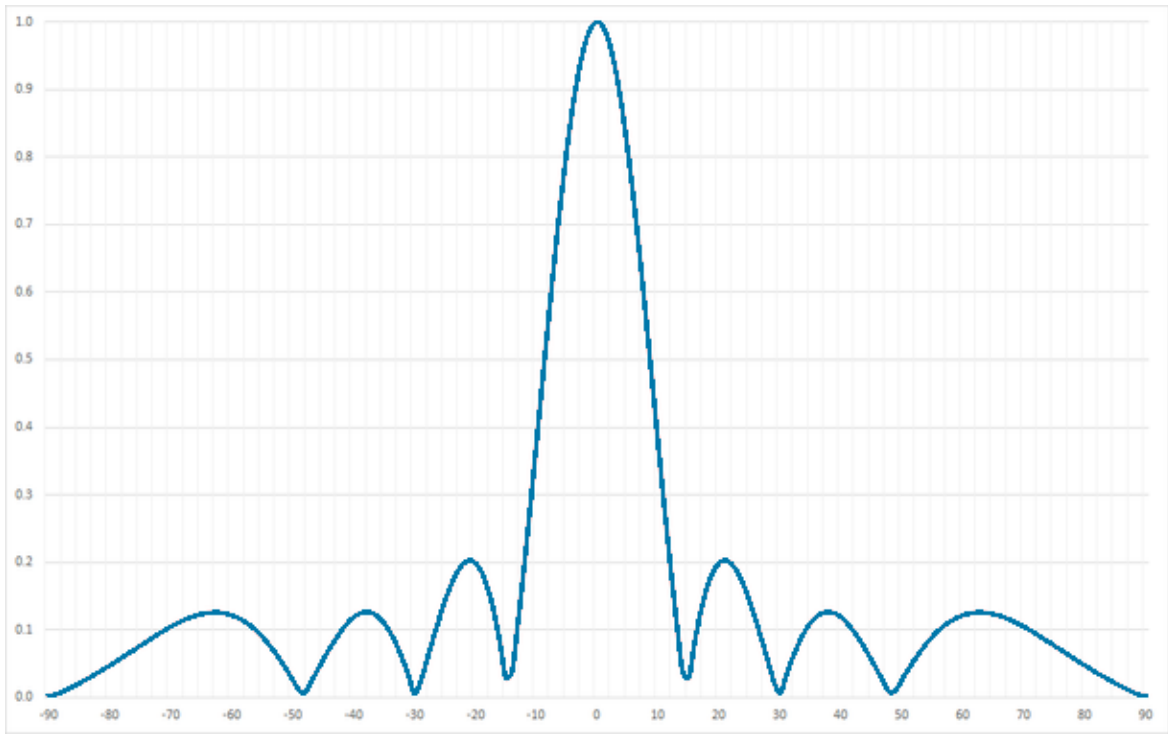
Precisão e leitura

A tabela apresenta o ângulo correspondente, a atenuação em dB na precisão original do catálogo e E/Emax com três casas decimais. A curva e a tabela usam a mesma sequência angular.

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 4 fendas

Plano V | curva normalizada E/Emax | ASCLN



Parâmetros da configuração

FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 220°	GANHO 90°
4	13°	7,6 dBd	8,6 dBd	11,3 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCLN | 4 fendas | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-48.27	0.004	-60	-18.23	0.123	-30	-43.02	0.007	0	0.00	1.000	30	-43.02	0.007	60	-18.23	0.123
-89	-47.52	0.004	-59	-18.50	0.119	-29	-32.77	0.023	1	-0.07	0.992	31	-29.26	0.034	61	-18.07	0.125
-88	-42.16	0.008	-58	-18.86	0.114	-28	-25.38	0.054	2	-0.28	0.968	32	-24.56	0.059	62	-17.98	0.126
-87	-38.35	0.012	-57	-19.35	0.108	-27	-21.43	0.085	3	-0.64	0.929	33	-21.88	0.081	63	-17.97	0.126
-86	-35.57	0.017	-56	-19.98	0.100	-26	-18.80	0.115	4	-1.15	0.876	34	-20.17	0.098	64	-18.02	0.126
-85	-33.40	0.021	-55	-20.79	0.091	-25	-16.92	0.143	5	-1.83	0.810	35	-19.06	0.111	65	-18.14	0.124
-84	-31.61	0.026	-54	-21.83	0.081	-24	-15.57	0.167	6	-2.68	0.735	36	-18.36	0.121	66	-18.32	0.121
-83	-30.08	0.031	-53	-23.17	0.069	-23	-14.63	0.186	7	-3.74	0.650	37	-18.00	0.126	67	-18.55	0.118
-82	-28.74	0.037	-52	-24.94	0.057	-22	-14.05	0.198	8	-5.03	0.560	38	-17.91	0.127	68	-18.84	0.114
-81	-27.54	0.042	-51	-27.39	0.043	-21	-13.83	0.203	9	-6.60	0.468	39	-18.08	0.125	69	-19.18	0.110
-80	-26.47	0.047	-50	-31.09	0.028	-20	-13.98	0.200	10	-8.54	0.374	40	-18.49	0.119	70	-19.58	0.105
-79	-25.49	0.053	-49	-37.87	0.013	-19	-14.57	0.187	11	-10.99	0.282	41	-19.15	0.110	71	-20.02	0.100
-78	-24.59	0.059	-48	-42.53	0.007	-18	-15.74	0.163	12	-14.24	0.194	42	-20.08	0.099	72	-20.51	0.094
-77	-23.76	0.065	-47	-32.97	0.022	-17	-17.77	0.129	13	-19.01	0.112	43	-21.31	0.086	73	-21.05	0.089
-76	-23.00	0.071	-46	-28.17	0.039	-16	-21.48	0.084	14	-28.38	0.038	44	-22.94	0.071	74	-21.65	0.083
-75	-22.30	0.077	-45	-25.12	0.055	-15	-30.61	0.029	15	-30.61	0.029	45	-25.12	0.055	75	-22.30	0.077
-74	-21.65	0.083	-44	-22.94	0.071	-14	-28.38	0.038	16	-21.48	0.084	46	-28.17	0.039	76	-23.00	0.071
-73	-21.05	0.089	-43	-21.31	0.086	-13	-19.01	0.112	17	-17.77	0.129	47	-32.97	0.022	77	-23.76	0.065
-72	-20.51	0.094	-42	-20.08	0.099	-12	-14.24	0.194	18	-15.74	0.163	48	-42.53	0.007	78	-24.59	0.059
-71	-20.02	0.100	-41	-19.15	0.110	-11	-10.99	0.282	19	-14.57	0.187	49	-37.87	0.013	79	-25.49	0.053
-70	-19.58	0.105	-40	-18.49	0.119	-10	-8.54	0.374	20	-13.98	0.200	50	-31.09	0.028	80	-26.47	0.047
-69	-19.18	0.110	-39	-18.08	0.125	-9	-6.60	0.468	21	-13.83	0.203	51	-27.39	0.043	81	-27.54	0.042
-68	-18.84	0.114	-38	-17.91	0.127	-8	-5.03	0.560	22	-14.05	0.198	52	-24.94	0.057	82	-28.74	0.037
-67	-18.55	0.118	-37	-18.00	0.126	-7	-3.74	0.650	23	-14.63	0.186	53	-23.17	0.069	83	-30.08	0.031
-66	-18.32	0.121	-36	-18.36	0.121	-6	-2.68	0.735	24	-15.57	0.167	54	-21.83	0.081	84	-31.61	0.026
-65	-18.14	0.124	-35	-19.06	0.111	-5	-1.83	0.810	25	-16.92	0.143	55	-20.79	0.091	85	-33.40	0.021
-64	-18.02	0.126	-34	-20.17	0.098	-4	-1.15	0.876	26	-18.80	0.115	56	-19.98	0.100	86	-35.57	0.017
-63	-17.97	0.126	-33	-21.88	0.081	-3	-0.64	0.929	27	-21.43	0.085	57	-19.35	0.108	87	-38.35	0.012
-62	-17.98	0.126	-32	-24.56	0.059	-2	-0.28	0.968	28	-25.38	0.054	58	-18.86	0.114	88	-42.16	0.008
-61	-18.07	0.125	-31	-29.26	0.034	-1	-0.07	0.992	29	-32.77	0.023	59	-18.50	0.119	89	-47.52	0.004

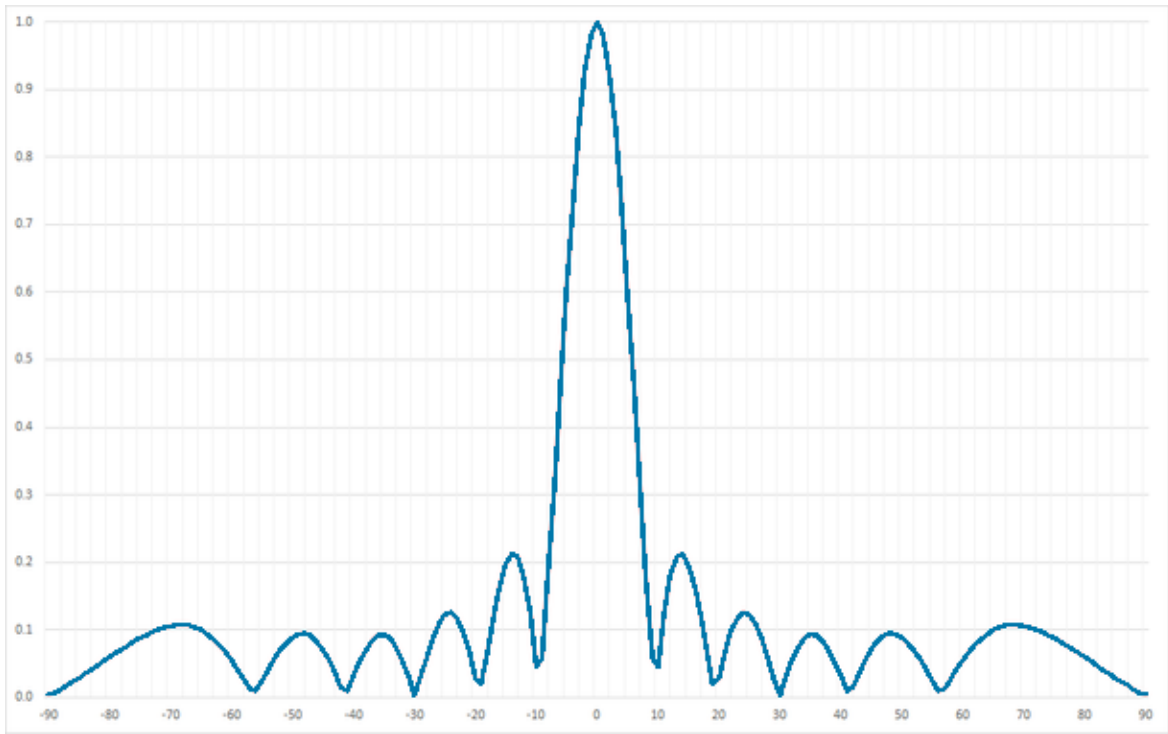
Precisão e leitura

A tabela apresenta o ângulo correspondente, a atenuação em dB na precisão original do catálogo e E/Emax com três casas decimais. A curva e a tabela usam a mesma sequência angular.

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 6 fendas

Plano V | curva normalizada E/Emax | ASCLN



Parâmetros da configuração

FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 220°	GANHO 90°
6	8,5°	9,4 dBd	10,4 dBd	13,1 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCLN | 6 fendas | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-47.44	0.004	-60	-25.15	0.055	-30	-49.43	0.003	0	0.00	1.000	30	-49.43	0.003	60	-25.15	0.055
-89	-43.48	0.007	-59	-27.59	0.042	-29	-30.95	0.028	1	-0.16	0.982	31	-30.05	0.031	61	-23.42	0.067
-88	-38.45	0.012	-58	-31.34	0.027	-28	-24.63	0.059	2	-0.65	0.928	32	-25.00	0.056	62	-22.15	0.078
-87	-35.06	0.018	-57	-37.97	0.013	-27	-21.30	0.086	3	-1.49	0.842	33	-22.44	0.076	63	-21.21	0.087
-86	-32.58	0.023	-56	-39.90	0.010	-26	-19.34	0.108	4	-2.72	0.731	34	-21.10	0.088	64	-20.51	0.094
-85	-30.63	0.029	-55	-32.23	0.024	-25	-18.30	0.122	5	-4.43	0.600	35	-20.57	0.094	65	-20.01	0.100
-84	-29.03	0.035	-54	-27.91	0.040	-24	-18.03	0.125	6	-6.75	0.460	36	-20.72	0.092	66	-19.67	0.104
-83	-27.67	0.041	-53	-25.14	0.055	-23	-18.56	0.118	7	-9.97	0.317	37	-21.51	0.084	67	-19.47	0.106
-82	-26.49	0.047	-52	-23.24	0.069	-22	-20.10	0.099	8	-14.85	0.181	38	-23.06	0.070	68	-19.38	0.107
-81	-25.45	0.053	-51	-21.93	0.080	-21	-23.30	0.068	9	-24.69	0.058	39	-25.64	0.052	69	-19.39	0.107
-80	-24.53	0.059	-50	-21.06	0.089	-20	-30.90	0.029	10	-26.87	0.045	40	-30.11	0.031	70	-19.50	0.106
-79	-23.70	0.065	-49	-20.59	0.093	-19	-33.80	0.020	11	-18.07	0.125	41	-40.47	0.009	71	-19.68	0.104
-78	-22.95	0.071	-48	-20.50	0.094	-18	-23.03	0.071	12	-14.94	0.179	42	-36.24	0.015	72	-19.95	0.101
-77	-22.28	0.077	-47	-20.81	0.091	-17	-18.40	0.120	13	-13.66	0.207	43	-28.75	0.037	73	-20.28	0.097
-76	-21.68	0.082	-46	-21.58	0.083	-16	-15.71	0.164	14	-13.46	0.212	44	-25.10	0.056	74	-20.68	0.092
-75	-21.15	0.088	-45	-22.92	0.071	-15	-14.15	0.196	15	-14.15	0.196	45	-22.92	0.071	75	-21.15	0.088
-74	-20.68	0.092	-44	-25.10	0.056	-14	-13.46	0.212	16	-15.71	0.164	46	-21.58	0.083	76	-21.68	0.082
-73	-20.28	0.097	-43	-28.75	0.037	-13	-13.66	0.207	17	-18.40	0.120	47	-20.81	0.091	77	-22.28	0.077
-72	-19.95	0.101	-42	-36.24	0.015	-12	-14.94	0.179	18	-23.03	0.071	48	-20.50	0.094	78	-22.95	0.071
-71	-19.68	0.104	-41	-40.47	0.009	-11	-18.07	0.125	19	-33.80	0.020	49	-20.59	0.093	79	-23.70	0.065
-70	-19.50	0.106	-40	-30.11	0.031	-10	-26.87	0.045	20	-30.90	0.029	50	-21.06	0.089	80	-24.53	0.059
-69	-19.39	0.107	-39	-25.64	0.052	-9	-24.69	0.058	21	-23.30	0.068	51	-21.93	0.080	81	-25.45	0.053
-68	-19.38	0.107	-38	-23.06	0.070	-8	-14.85	0.181	22	-20.10	0.099	52	-23.24	0.069	82	-26.49	0.047
-67	-19.47	0.106	-37	-21.51	0.084	-7	-9.97	0.317	23	-18.56	0.118	53	-25.14	0.055	83	-27.67	0.041
-66	-19.67	0.104	-36	-20.72	0.092	-6	-6.75	0.460	24	-18.03	0.125	54	-27.91	0.040	84	-29.03	0.035
-65	-20.01	0.100	-35	-20.57	0.094	-5	-4.43	0.600	25	-18.30	0.122	55	-32.23	0.024	85	-30.63	0.029
-64	-20.51	0.094	-34	-21.10	0.088	-4	-2.72	0.731	26	-19.34	0.108	56	-39.90	0.010	86	-32.58	0.023
-63	-21.21	0.087	-33	-22.44	0.076	-3	-1.49	0.842	27	-21.30	0.086	57	-37.97	0.013	87	-35.06	0.018
-62	-22.15	0.078	-32	-25.00	0.056	-2	-0.65	0.928	28	-24.63	0.059	58	-31.34	0.027	88	-38.45	0.012
-61	-23.42	0.067	-31	-30.05	0.031	-1	-0.16	0.982	29	-30.95	0.028	59	-27.59	0.042	89	-43.48	0.007

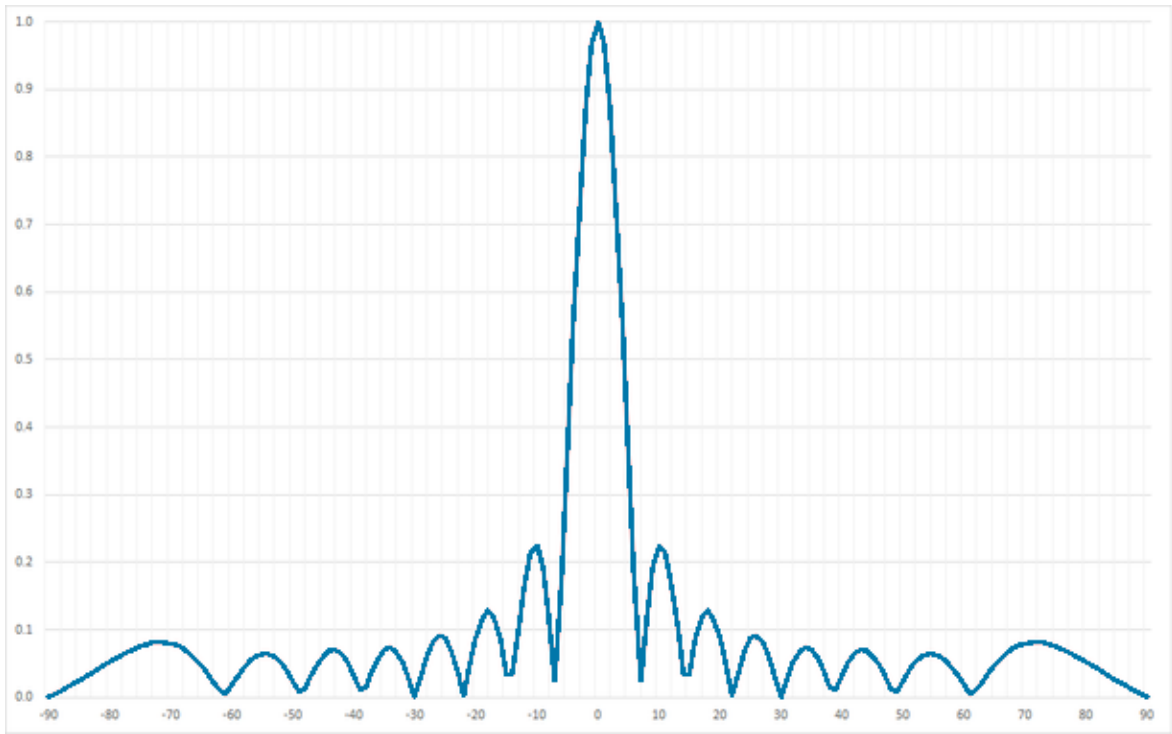
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Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 8 fendas

Plano V | curva normalizada E/Emax | ASCLN



Parâmetros da configuração

FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 220°	GANHO 90°
8	6,5°	10,6 dBd	11,6 dBd	14,3 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCLN | 8 fendas | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-53.92	0.002	-60	-34.82	0.018	-30	-55.15	0.002	0	0.00	1.000	30	-55.15	0.002	60	-34.82	0.018
-89	-47.41	0.004	-59	-30.07	0.031	-29	-29.74	0.033	1	-0.29	0.967	31	-30.94	0.028	61	-45.51	0.005
-88	-40.72	0.009	-58	-27.25	0.043	-28	-24.31	0.061	2	-1.17	0.874	32	-25.58	0.053	62	-39.20	0.011
-87	-36.86	0.014	-57	-25.45	0.053	-27	-21.75	0.082	3	-2.74	0.729	33	-23.28	0.069	63	-32.34	0.024
-86	-34.16	0.020	-56	-24.33	0.061	-26	-20.78	0.091	4	-5.16	0.552	34	-22.54	0.075	64	-28.71	0.037
-85	-32.07	0.025	-55	-23.77	0.065	-25	-21.17	0.087	5	-8.87	0.360	35	-23.01	0.071	65	-26.38	0.048
-84	-30.36	0.030	-54	-23.74	0.065	-24	-23.23	0.069	6	-15.14	0.175	36	-24.75	0.058	66	-24.76	0.058
-83	-28.92	0.036	-53	-24.28	0.061	-23	-28.47	0.038	7	-31.79	0.026	37	-28.34	0.038	67	-23.61	0.066
-82	-27.68	0.041	-52	-25.52	0.053	-22	-50.60	0.003	8	-18.78	0.115	38	-36.45	0.015	68	-22.80	0.072
-81	-26.60	0.047	-51	-27.76	0.041	-21	-26.67	0.046	9	-14.29	0.193	39	-38.71	0.012	69	-22.25	0.077
-80	-25.64	0.052	-50	-31.85	0.026	-20	-21.25	0.087	10	-12.97	0.225	40	-29.43	0.034	70	-21.91	0.080
-79	-24.80	0.058	-49	-41.15	0.009	-19	-18.70	0.116	11	-13.40	0.214	41	-25.63	0.052	71	-21.75	0.082
-78	-24.06	0.063	-48	-37.49	0.013	-18	-17.83	0.128	12	-15.38	0.170	42	-23.76	0.065	72	-21.73	0.082
-77	-23.42	0.067	-47	-30.00	0.032	-17	-18.48	0.119	13	-19.52	0.106	43	-23.03	0.071	73	-21.85	0.081
-76	-22.87	0.072	-46	-26.31	0.048	-16	-21.22	0.087	14	-29.48	0.034	44	-23.20	0.069	74	-22.08	0.079
-75	-22.43	0.076	-45	-24.24	0.061	-15	-29.39	0.034	15	-29.39	0.034	45	-24.24	0.061	75	-22.43	0.076
-74	-22.08	0.079	-44	-23.20	0.069	-14	-29.48	0.034	16	-21.22	0.087	46	-26.31	0.048	76	-22.87	0.072
-73	-21.85	0.081	-43	-23.03	0.071	-13	-19.52	0.106	17	-18.48	0.119	47	-30.00	0.032	77	-23.42	0.067
-72	-21.73	0.082	-42	-23.76	0.065	-12	-15.38	0.170	18	-17.83	0.128	48	-37.49	0.013	78	-24.06	0.063
-71	-21.75	0.082	-41	-25.63	0.052	-11	-13.40	0.214	19	-18.70	0.116	49	-41.15	0.009	79	-24.80	0.058
-70	-21.91	0.080	-40	-29.43	0.034	-10	-12.97	0.225	20	-21.25	0.087	50	-31.85	0.026	80	-25.64	0.052
-69	-22.25	0.077	-39	-38.71	0.012	-9	-14.29	0.193	21	-26.67	0.046	51	-27.76	0.041	81	-26.60	0.047
-68	-22.80	0.072	-38	-36.45	0.015	-8	-18.78	0.115	22	-50.60	0.003	52	-25.52	0.053	82	-27.68	0.041
-67	-23.61	0.066	-37	-28.34	0.038	-7	-31.79	0.026	23	-28.47	0.038	53	-24.28	0.061	83	-28.92	0.036
-66	-24.76	0.058	-36	-24.75	0.058	-6	-15.14	0.175	24	-23.23	0.069	54	-23.74	0.065	84	-30.36	0.030
-65	-26.38	0.048	-35	-23.01	0.071	-5	-8.87	0.360	25	-21.17	0.087	55	-23.77	0.065	85	-32.07	0.025
-64	-28.71	0.037	-34	-22.54	0.075	-4	-5.16	0.552	26	-20.78	0.091	56	-24.33	0.061	86	-34.16	0.020
-63	-32.34	0.024	-33	-23.28	0.069	-3	-2.74	0.729	27	-21.75	0.082	57	-25.45	0.053	87	-36.86	0.014
-62	-39.20	0.011	-32	-25.58	0.053	-2	-1.17	0.874	28	-24.31	0.061	58	-27.25	0.043	88	-40.72	0.009
-61	-45.51	0.005	-31	-30.94	0.028	-1	-0.29	0.967	29	-29.74	0.033	59	-30.07	0.031	89	-47.41	0.004

Precisão e leitura

A tabela apresenta o ângulo correspondente, a atenuação em dB na precisão original do catálogo e E/Emax com três casas decimais. A curva e a tabela usam a mesma sequência angular.

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.