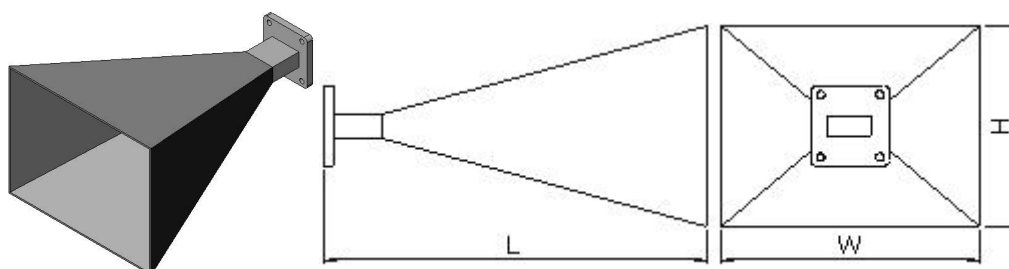


Standard Gain Horn Antenna



Dolph Microwave manufactures a high quality line of standard gain horn antennas that are linearly polarized, lightweight and corrosion resistant. The most common Gain values available are 10, 15, 20, 25dB. Other Gain values and Horn sizes can be designed to your requirement. Please call us with your specification and discuss your needs with one of our sales engineers.

◆ Standard Gain Horn Antenna, 10 dB



➤ Style 1 — Waveguide Input

● Specifications

Model No	Freq Range (GHz)	Gain* (dB)	3dB Beamwidth* (Nom)	Dimensions (mm)			WG Type		Flange
				L	W	H	IEC	EIA	
DH-3SGAH10	0.32-0.49	10	55°	850	1150	800	R3	WR2300	FDP
DH-4SGAH10	0.35-0.53	10	55°	800	1050	720	R4	WR2100	FDP
DH-5SGAH10	0.41-0.62	10	55°	800	900	660	R5	WR1800	FDP
DH-6SGAH10	0.49-0.75	10	55°	700	700	500	R6	WR1500	FDP
DH-8SGAH10	0.64-0.98	10	55°	590	620	440	R8	WR1150	FDP
DH-9SGAH10	0.75-1.15	10	55°	300	480	336	R9	WR975	FDP
DH-12SGAH10	0.96-1.46	10	55°	300	400	280	R12	WR770	FDP
DH-14SGAH10	1.13-1.73	10	55°	280	315	235	R14	WR650	FDP

DH-18SGAH10	1.45-2.20	10	55°	245	249	184	R18	WR510	FDP
DH-22SGAH10	1.72-2.61	10	55°	210	209	154	R22	WR430	FDP
DH-26SGAH10	2.17-3.30	10	55°	160	165	125	R26	WR340	FDP
DH-32SGAH10	2.60-3.95	10	55°	150	144	114	R32	WR284	FDP
DH-40SGAH10	3.22-4.90	10	55°	120	113	88	R40	WR229	FDP
DH-48SGAH10	3.94-5.99	10	55°	110	98	73	R48	WR187	FDP

*Gain and 3dB Beamwidth values have been calculated by computer simulation.

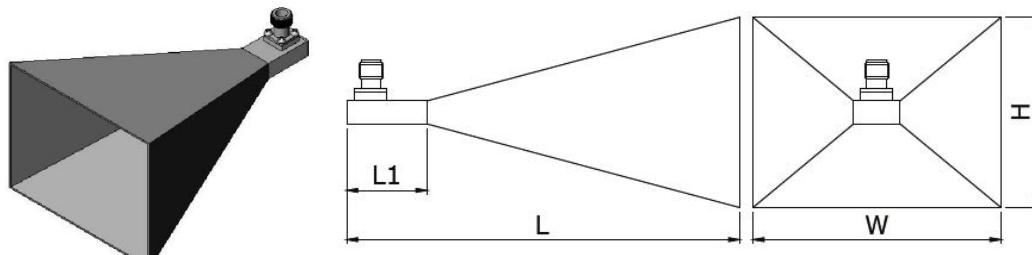
● Ordering Information

Example Part No: **DH- 100 SGAH 10**

Dolph Microwave | Gain: 10dB
 WG Type: R100 | Product Type: Standard Gain Horn Antenna with Waveguide Input

- Flange type: Multiple types available - see Dolph Microwave Flanges page.
- Finish: Corrosion protection plus black top coat.

➤ Style 2 — Built-in Coaxial Input



● Specifications

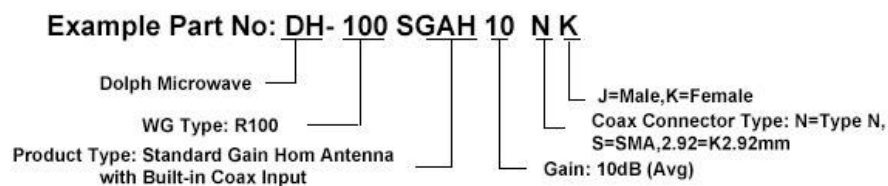
Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)			WG Type		Connector
				L	W	H	IEC	EIA	
DH-3SGAH10N...	0.32-0.49	10	55°	850	1150	800	R3	WR2300	N Type
DH-4SGAH10N...	0.35-0.53	10	55°	800	1050	720	R4	WR2100	N Type
DH-5SGAH10N...	0.41-0.62	10	55°	800	900	660	R5	WR1800	N Type
DH-6SGAH10N...	0.49-0.75	10	55°	700	700	500	R6	WR1500	N Type
DH-8SGAH10N...	0.64-0.98	10	55°	590	620	440	R8	WR1150	N Type
DH-9SGAH10N...	0.75-1.15	10	55°	480	480	336	R9	WR975	N Type
DH-12SGAH10N...	0.96-1.46	10	55°	400	400	280	R12	WR770	N Type
DH-14SGAH10N...	1.13-1.73	10	55°	370	315	235	R14	WR650	N Type
DH-18SGAH10N...	1.45-2.20	10	55°	310	249	184	R18	WR510	N Type
DH-22SGAH10N...	1.72-2.61	10	55°	260	209	154	R22	WR430	N Type
DH-26SGAH10N...	2.17-3.30	10	55°	200	165	125	R26	WR340	N Type
DH-32SGAH10N...	2.60-3.95	10	55°	175	144	114	R32	WR284	N Type

DH-40SGAH10N...	3.22-4.90	10	55°	150	113	88	R40	WR229	N Type
DH-48SGAH10N...	3.94-5.99	10	55°	145	98	73	R48	WR187	N Type
DH-58SGAH10N...	4.64-7.05	10	55°	135	83	63	R58	WR159	N Type
DH-70SGAH10N...	5.38-8.17	10	55°	110	57	42	R70	WR137	N Type
DH-84SGAH10N...	6.57-9.99	10	55°	95	57	42	R84	WR112	N Type
DH-100SGAH10N...	8.20-12.40	10	55°	75	47	37	R100	WR90	N Type
DH-120SGAH10S...	9.84-15.0	10	55°	75	40	29	R120	WR75	SMA
DH-140SGAH10S...	11.9-18.0	10	55°	75	37	27	R140	WR62	SMA
DH-180SGAH10S...	14.5-22.0	10	55°	75	30	20	R180	WR51	SMA
DH-220SGAH10S...	17.6-26.7	10	55°	75	24	17	R220	WR42	SMA
DH-260SGAH10K...	21.7-33.0	10	55°	53	20	14	R260	WR34	K2.92mm
DH-320SGAH10K...	26.5-40.0	10	55°	54	17	12	R320	WR28	K2.92mm

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

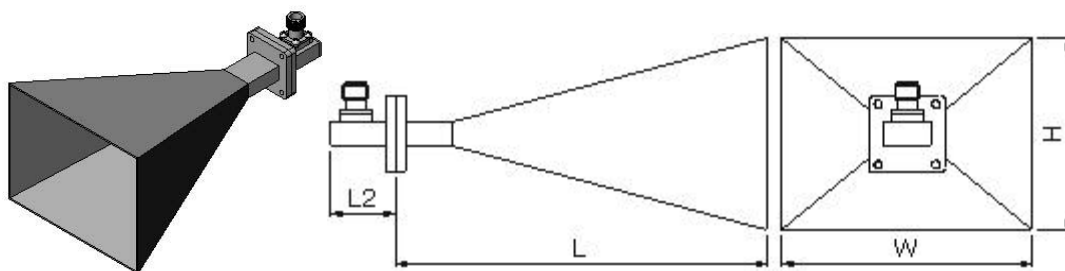
**Gain and 3dB Beamwidth values have been calculated by computer simulation.

● Ordering Information



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

➤ Style 3 — with Coaxial Connector



● Specifications

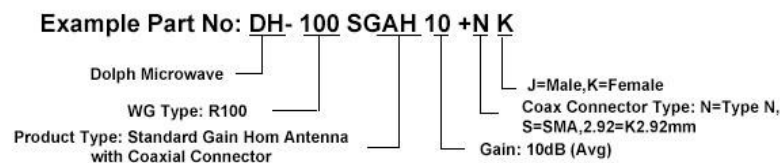
Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)				WG Type		Connector
				L	L2	W	H	IEC	EIA	
DH-3SGAH10+N...	0.32-0.49	10	55°	1600		1150	800	R3	WR2300	N Type

DH-4SGAH10+N...	0.35-0.53	10	55°	1400		1050	720	R4	WR2100	N Type
DH-5SGAH10+N...	0.41-0.62	10	55°	1300		900	660	R5	WR1800	N Type
DH-6SGAH10+N...	0.49-0.75	10	55°	1100		700	500	R6	WR1500	N Type
DH-8SGAH10+N...	0.64-0.98	10	55°	1200		620	440	R8	WR1150	N Type
DH-9SGAH10+N...	0.75-1.15	10	55°	520		480	336	R9	WR975	N Type
DH-12SGAH10+N...	0.96-1.46	10	55°	466		400	280	R12	WR770	N Type
DH-14SGAH10+N...	1.13-1.73	10	55°	430		315	235	R14	WR650	N Type
DH-18SGAH10+N...	1.45-2.20	10	55°	360		249	184	R18	WR510	N Type
DH-22SGAH10+N...	1.72-2.61	10	55°	310		209	154	R22	WR430	N Type
DH-26SGAH10+N...	2.17-3.30	10	55°	245		165	125	R26	WR340	N Type
DH-32SGAH10+N...	2.60-3.95	10	55°	222		144	114	R32	WR284	N Type
DH-40SGAH10+N...	3.22-4.90	10	55°	185		113	88	R40	WR229	N Type
DH-48SGAH10+N...	3.94-5.99	10	55°	164		98	73	R48	WR187	N Type
DH-58SGAH10+N...	4.64-7.05	10	55°	150		83	63	R58	WR159	N Type
DH-70SGAH10+N...	5.38-8.17	10	55°	123		67	52	R70	WR137	N Type
DH-84SGAH10+N...	6.57-9.99	10	55°	110		57	42	R84	WR112	N Type
DH-100SGAH10+N...	8.20-12.40	10	55°	83		47	37	R100	WR90	N Type
DH-120SGAH10+S...	9.84-15.0	10	55°	55	30	40	29	R120	WR75	SMA
DH-140SGAH10+S...	11.9-18.0	10	55°	55	27	37	27	R140	WR62	SMA

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

**Gain and 3dB Beamwidth values have been calculated by computer simulation.

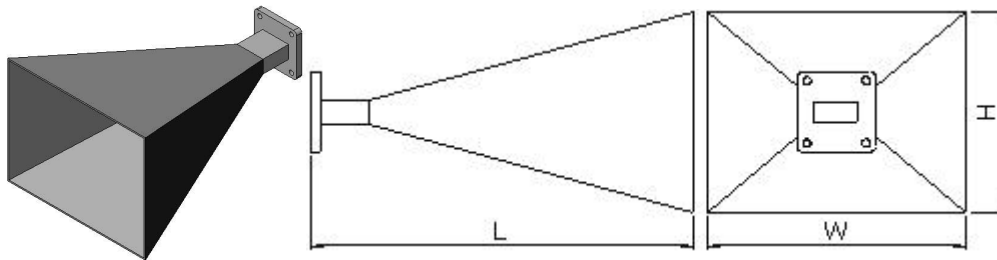
● Ordering Information



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

◆ Standard Gain Horn Antenna, 15 Db

➤ *Style 1 – Waveguide Input*



● *Specifications*

Model No	Freq Range (GHz)	Gain* (dB)	3dB Beamwidth* (Nom)	Dimensions (mm)			WG Type		Flange
				L	W	H	IEC	EIA	
DH-9SGAH15	0.75-1.15	15	30°	640	850	580	R9	WR975	FDP
DH-12SGAH15	0.96-1.46	15	30°	600	700	480	R12	WR770	FDP
DH-14SGAH15	1.13-1.73	15	30°	430	550	380	R14	WR650	FDP
DH-18SGAH15	1.45-2.20	15	30°	365	456	316	R18	WR510	FDP
DH-22SGAH15	1.72-2.61	15	30°	310	380	265	R22	WR430	FDP
DH-26SGAH15	2.17-3.30	15	30°	250	297	216	R26	WR340	FDP
DH-32SGAH15	2.60-3.95	15	30°	230	275	190	R32	WR284	FDP
DH-40SGAH15	3.22-4.90	15	30°	180	205	145	R40	WR229	FDP
DH-48SGAH15	3.94-5.99	15	30°	160	169	119	R48	WR187	FDP
DH-58SGAH15	4.64-7.05	15	30°	130	141	97	R58	WR159	FDP
DH-70SGAH15	5.38-8.17	15	30°	110	122	84	R70	WR137	FDP
DH-84SGAH15	6.57-9.99	15	30°	100	105	71	R84	WR112	FBP
DH-100SGAH15	8.20-12.40	15	30°	80	81	56	R100	WR90	FBP
DH-120SGAH15	9.84-15.0	15	30°	75	68	47	R120	WR75	FBP
DH-140SGAH15	11.9-18.0	15	30°	80	57	40	R140	WR62	FBP
DH-180SGAH15	14.5-22.0	15	30°	55	47	33	R180	WR51	FBP
DH-220SGAH15	17.6-26.7	15	30°	45	39	27	R220	WR42	FBP
DH-260SGAH15	21.7-33.0	15	30°	40	32	22	R260	WR34	FBP
DH-320SGAH15	26.5-40.0	15	30°	35	26	19	R320	WR28	FBP
DH-400SGAH15	32.9-50.1	15	30°	30	22	15.5	R400	WR22	FUGP
DH-500SGAH15	39.2-59.6	15	30°	25	19	13	R500	WR19	FUGP
DH-620SGAH15	49.8-75.8	15	30°	21	15	11	R620	WR15	FUGP
DH-740SGAH15	60.5-91.9	15	30°	20	13.5	9.5	R740	WR12	FUGP
DH-900SGAH15	73.8-112	15	30°	18	11	8	R900	WR10	FUGP

*Gain and 3dB Beamwidth values have been calculated by computer simulation.

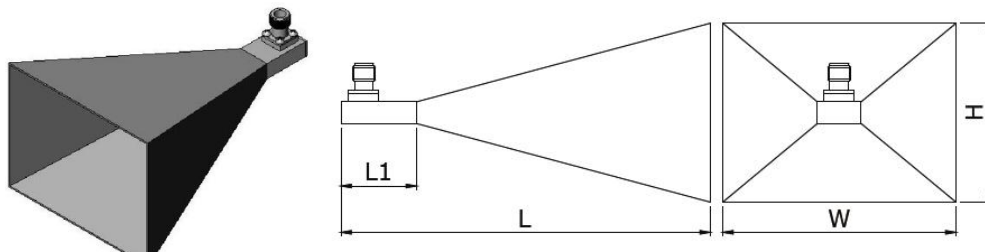
● Ordering Information

Example Part No: **DH- 100 SGAH 15**

Dolph Microwave
 WG Type: R100
 Gain: 15dB
 Product Type: Standard Gain Horn Antenna with Waveguide Input

- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

➤ Style2— Built-in Coaxial Input



● Specifications

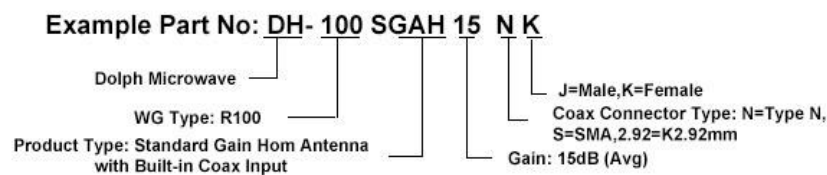
Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)			WG Type		Connector
				L	W	H	IEC	EIA	
DH-9SGAH15N...	0.75-1.15	15	30°	820	850	580	R9	WR975	N Type
DH-12SGAH15N...	0.96-1.46	15	30°	700	700	480	R12	WR770	N Type
DH-14SGAH15N...	1.13-1.73	15	30°	520	550	380	R14	WR650	N Type
DH-18SGAH15N...	1.45-2.20	15	30°	430	456	316	R18	WR510	N Type
DH-22SGAH15N...	1.72-2.61	15	30°	360	380	265	R22	WR430	N Type
DH-26SGAH15N...	2.17-3.30	15	30°	290	297	216	R26	WR340	N Type
DH-32SGAH15N...	2.60-3.95	15	30°	255	275	190	R32	WR284	N Type
DH-40SGAH15N...	3.22-4.90	15	30°	210	205	145	R40	WR229	N Type
DH-48SGAH15N...	3.94-5.99	15	30°	195	169	119	R48	WR187	N Type
DH-58SGAH15N...	4.64-7.05	15	30°	165	141	97	R58	WR159	N Type
DH-70SGAH15N...	5.38-8.17	15	30°	145	122	84	R70	WR137	N Type
DH-84SGAH15N...	6.57-9.99	15	30°	125	105	71	R84	WR112	N Type
DH-100SGAH15N...	8.20-12.40	15	30°	105	81	56	R100	WR90	N Type
DH-120SGAH15S...	9.84-15.0	15	30°	95	68	47	R120	WR75	SMA
DH-140SGAH15S...	11.9-18.0	15	30°	100	57	40	R140	WR62	SMA

DH-180SGAH15S...	14.5-22.0	15	30°	80	47	33	R180	WR51	SMA
DH-220SGAH15S...	17.6-26.7	15	30°	75	39	27	R220	WR42	SMA
DH-260SGAH15K...	21.7-33.0	15	30°	58	32	22	R260	WR34	K2.92mm
DH-320SGAH15K...	26.5-40.0	15	30°	59	26	19	R320	WR28	K2.92mm

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

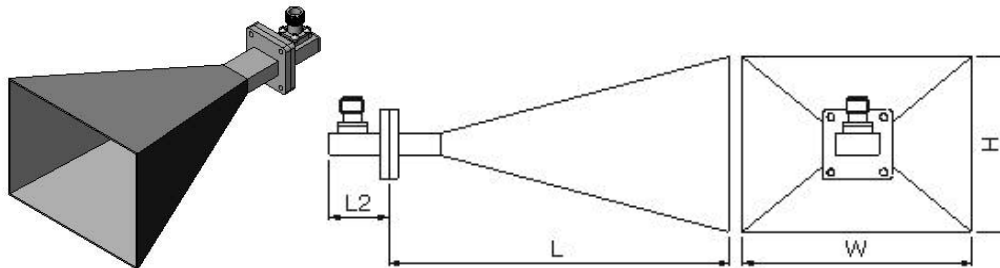
**Gain and 3dB Beamwidth values have been calculated by computer simulation.

● Ordering Information



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

➤ Style 3 — with Coaxial Connector



● Specifications

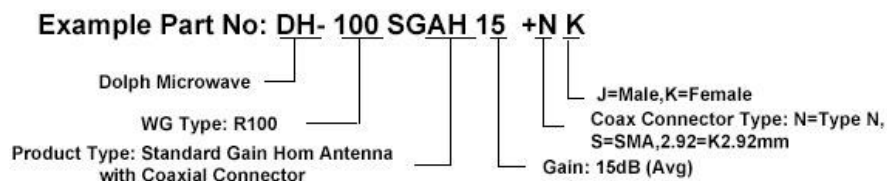
Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)				WG Type		Connector
				L	L2	W	H	IEC	EIA	
DH-9SGAH15+N...	0.75-1.15	15	30°	820	231	850	580	R9	WR975	N Type
DH-12SGAH15+N...	0.96-1.46	15	30°	766	166	700	480	R12	WR770	N Type
DH-14SGAH15+N...	1.13-1.73	15	30°	580	150	550	380	R14	WR650	N Type
DH-18SGAH15+N...	1.45-2.20	15	30°	480	120	456	316	R18	WR510	N Type
DH-22SGAH15+N...	1.72-2.61	15	30°	410	100	380	265	R22	WR430	N Type
DH-26SGAH15+N...	2.17-3.30	15	30°	335	85	297	216	R26	WR340	N Type
DH-32SGAH15+N...	2.60-3.95	15	30°	320	90	275	190	R32	WR284	N Type
DH-40SGAH15+N...	3.22-4.90	15	30°	245	65	205	145	R40	WR229	N Type
DH-48SGAH15+N...	3.94-5.99	15	30°	214	54	169	119	R48	WR187	N Type

DH-58SGAH15+N...	4.64-7.05	15	30°	180	50	141	97	R58	WR159	N Type
DH-70SGAH15+N...	5.38-8.17	15	30°	158	48	122	84	R70	WR137	N Type
DH-84SGAH15+N...	6.57-9.99	15	30°	140	40	105	71	R84	WR112	N Type
DH-100SGAH15+N...	8.20-12.40	15	30°	115	35	81	56	R100	WR90	N Type
DH-120SGAH15+S...	9.84-15.0	15	30°	105	30	68	47	R120	WR75	SMA
DH-140SGAH15+S...	11.9-18.0	15	30°	107	27	57	40	R140	WR62	SMA
DH-180SGAH15+S...	14.5-22.0	15	30°	82	27	47	33	R180	WR51	SMA
DH-220SGAH15+S...	17.6-26.7	15	30°	70	25	39	27	R220	WR42	SMA
DH-260SGAH15+K...	21.7-33.0	15	30°	67	27	32	22	R260	WR34	K2.92mm
DH-320SGAH15+K...	26.5-40.0	15	30°	61	26	26	19	R320	WR28	K2.92mm

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

**Gain and 3dB Beamwidth values have been calculated by computer simulation.

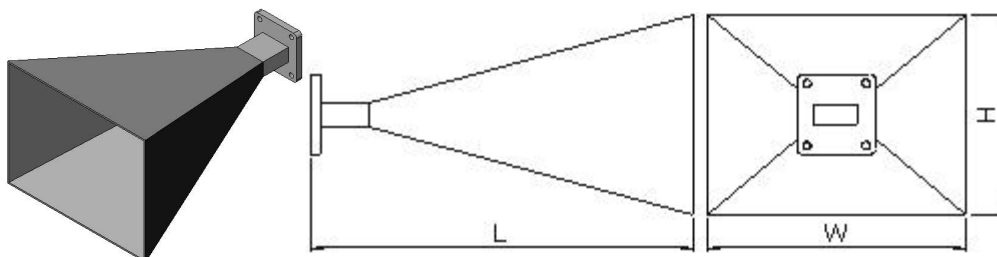
● Ordering Information



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

◆ Standard Gain Horn Antenna, 20 dB

➤ Style 1 – Waveguide Input



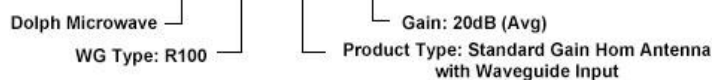
● **Specifications**

Model No	Freq Range (GHz)	Gain* (dB)	3dB Beamwidth* (Nom)	Dimensions (mm)			WG Type		Flange
				L	W	H	IEC	EIA	
DH-32SGAH20	2.60-3.95	20	18°	700	476	346	R32	WR284	D Type
DH-40SGAH20	3.22-4.90	20	18°	520	345	264	R40	WR229	D Type
DH-48SGAH20	3.94-5.99	20	18°	440	280	212	R48	WR187	D Type
DH-58SGAH20	4.64-7.05	20	18°	400	245	175	R58	WR159	D Type
DH-70SGAH20	5.38-8.17	20	18°	290	197	153	R70	WR137	D Type
DH-84SGAH20	6.57-9.99	20	18°	290	180	128	R84	WR112	B Type
DH-100SGAH20	8.20-12.40	20	18°	220	138	107	R100	WR90	B Type
DH-120SGAH20	9.84-15.0	20	18°	200	115	83	R120	WR75	B Type
DH-140SGAH20	11.9-18.0	20	18°	150	93	72	R140	WR62	B Type
DH-180SGAH20	14.5-22.0	20	18°	140	80	56	R180	WR51	B Type
DH-220SGAH20	17.6-26.7	20	18°	125	70	49	R220	WR42	B Type
DH-260SGAH20	21.7-33.0	20	18°	110	54	42	R260	WR34	B Type
DH-320SGAH20	26.5-40.0	20	18°	90	47	33	R320	WR28	B Type
DH-400SGAH20	32.9-50.1	20	18°	70	36	27	R400	WR22	FUGP
DH-500SGAH20	39.2-59.6	20	18°	60	31.4	23	R500	WR19	FUGP
DH-620SGAH20	49.8-75.8	20	18°	55	25	18	R620	WR15	FUGP
DH-740SGAH20	60.5-91.9	20	18°	50	22	16	R740	WR12	FUGP
DH-900SGAH20	73.8-112	20	18°	45	18	13	R900	WR10	FUGP

*Gain and 3dB Beamwidth values have been calculated by computer simulation.

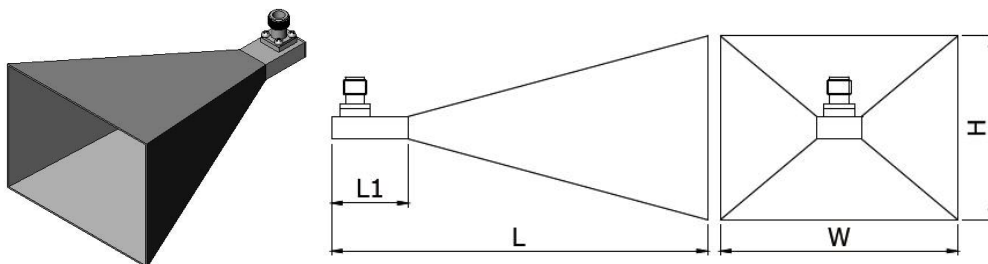
● **Ordering Information**

Example Part No: **DH- 100 SGAH 20**



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

➤ **Style 2 — Built-in Coaxial Input**



● Specifications

Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)			WG Type		Connector
				L	W	H	IEC	EIA	
DH-32SGAH20N...	2.60-3.95	20	18°	725	476	346	R32	WR284	N Type
DH-40SGAH20N...	3.22-4.90	20	18°	550	345	264	R40	WR229	N Type
DH-48SGAH20N...	3.94-5.99	20	18°	475	280	212	R48	WR187	N Type
DH-58SGAH20N...	4.64-7.05	20	18°	435	245	175	R58	WR159	N Type
DH-70SGAH20N...	5.38-8.17	20	18°	325	197	153	R70	WR137	N Type
DH-84SGAH20N...	6.57-9.99	20	18°	315	180	128	R84	WR112	N Type
DH-100SGAH20N...	8.20-12.40	20	18°	245	138	107	R100	WR90	N Type
DH-120SGAH20S...	9.84-15.0	20	18°	220	115	83	R120	WR75	SMA
DH-140SGAH20S...	11.9-18.0	20	18°	170	93	72	R140	WR62	SMA
DH-180SGAH20S...	14.5-22.0	20	18°	165	80	56	R180	WR51	SMA
DH-220SGAH20S...	17.6-26.7	20	18°	155	70	49	R220	WR42	SMA
DH-260SGAH20K...	21.7-33.0	20	18°	128	54	42	R260	WR34	K2.92mm
DH-320SGAH20K...	26.5-40.0	20	18°	114	47	33	R320	WR28	K2.92mm

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

**Gain and 3dB Beamwidth values have been calculated by computer simulation.

● Ordering Information

Example Part No: **DH- 100 SGAH 20**

Dolph Microwave

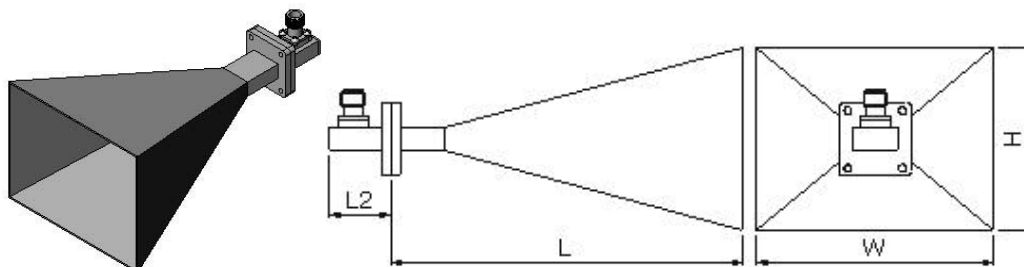
WG Type: R100

Gain: 20dB (Avg)

Product Type: Standard Gain Horn Antenna with Waveguide Input

- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

➤ Style 3 — with Coaxial Connector



● Specifications

Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)				WG Type		Connector
				L	L2	W	H	IEC	EIA	
DH-32SGAH20+N...	2.60-3.95	20	18°	772	72	476	346	R32	WR284	N Type
DH-40SGAH20+N...	3.22-4.90	20	18°	585	65	345	264	R40	WR229	N Type
DH-48SGAH20+N...	3.94-5.99	20	18°	494	54	280	212	R48	WR187	N Type
DH-58SGAH20+N...	4.64-7.05	20	18°	450	50	245	175	R58	WR159	N Type
DH-70SGAH20+N...	5.38-8.17	20	18°	338	48	197	153	R70	WR137	N Type
DH-84SGAH20+N...	6.57-9.99	20	18°	330	40	180	128	R84	WR112	N Type
DH-100SGAH20+N...	8.20-12.40	20	18°	255	35	138	107	R100	WR90	N Type
DH-120SGAH20+S...	9.84-15.0	20	18°	230	30	115	83	R120	WR75	SMA
DH-140SGAH20+S...	11.9-18.0	20	18°	177	27	93	72	R140	WR62	SMA
DH-180SGAH20+S...	14.5-22.0	20	18°	167	27	80	56	R180	WR51	SMA
DH-220SGAH20+K...	17.6-26.7	20	18°	150	25	70	49	R220	WR42	K2.92mm
DH-260SGAH20+K...	21.7-33.0	20	18°	137	27	54	42	R260	WR34	K2.92mm
DH-320SGAH20+K...	26.5-40.0	20	18°	116	26	47	33	R320	WR28	K2.92mm

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

**Gain and 3dB Beamwidth values have been calculated by computer simulation.

● Ordering Information

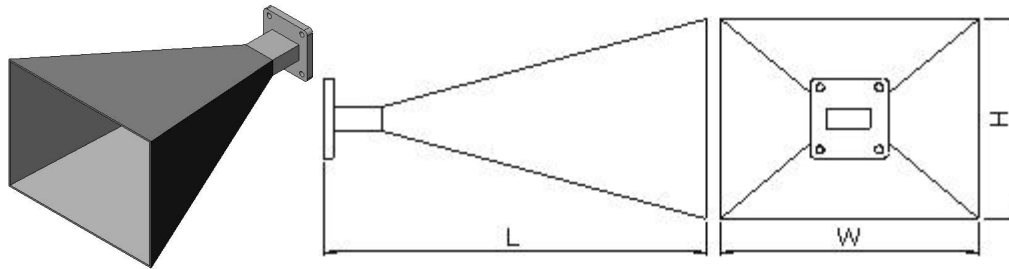
Example Part No: **DH- 100 SGAH 20 +N K**

Dolph Microwave ———
 WG Type: R100 ———
 Product Type: Standard Gain Horn Antenna with Coaxial Connector ———
 Gain: 20dB (Avg) ———
 J=Male, K=Female
 Coax Connector Type: N=Type N, S=SMA, 2.92=K2.92mm

- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

◆ Standard Gain Horn Antenna, 25 dB

➤ *Style 1 – Waveguide Input*



● *Specifications*

Model No	Freq Range (GHz)	Gain* (dB)	3dB Beamwidth* (Nom)	Dimensions (mm)			WG Type		Flange
				L	W	H	IEC	EIA	
DH-100SGAH25	8.20-12.40	25	10°	740	250	180	R100	WR90	FBP
DH-120SGAH25	9.84-15.0	25	10°	550	200	155	R120	WR75	FBP
DH-140SGAH25	11.9-18.0	25	10°	520	175	120	R140	WR62	FBP
DH-180SGAH25	14.5-22.0	25	10°	400	134	104	R180	WR51	FBP
DH-220SGAH25	17.6-26.7	25	10°	350	120	85	R220	WR42	FBP
DH-260SGAH25	21.7-33.0	25	10°	300	92	70	R260	WR34	FBP
DH-320SGAH25	26.5-40.0	25	10°	240	80	56	R320	WR28	FBP
DH-400SGAH25	32.9-50.1	25	10°	205	66	46	R400	WR22	FUGP
DH-500SGAH25	39.2-59.6	25	10°	160	53	37	R500	WR19	FUGP
DH-620SGAH25	49.8-75.8	25	10°	130	43	31	R620	WR15	FUGP
DH-740SGAH25	60.5-91.9	25	10°	120	37	26	R740	WR12	FUGP
DH-900SGAH25	73.8-112	25	10°	100	30	23	R900	WR10	FUGP

*Gain and 3dB Beamwidth values have been calculated by computer simulation.

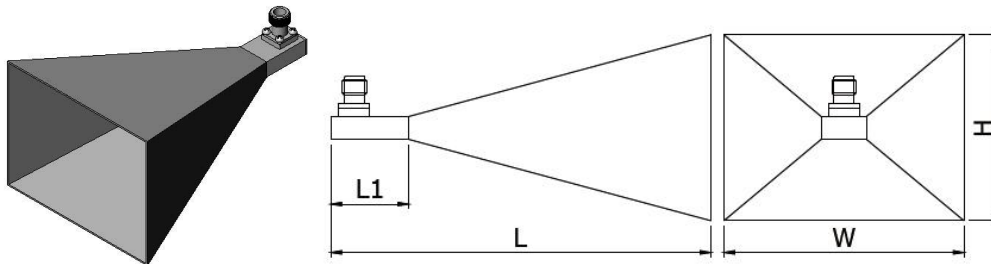
● *Ordering Information*

Example Part No: **DH- 100 SGAH 25**

Dolph Microwave
 WG Type: R100
 Gain: 25dB (Avg)
 Product Type: Standard Gain Horn Antenna with Waveguide Input

- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

➤ *Style 2 — Built-in Coaxial Input*



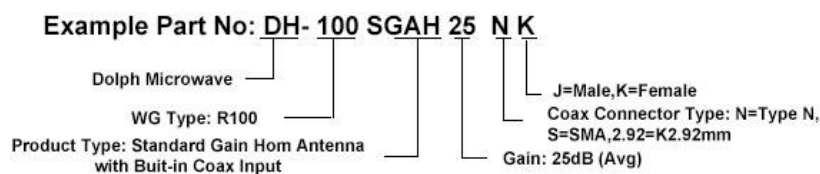
● *Specifications*

Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)			WG Type		Connector
				L	W	H	IEC	EIA	
DH-100SGAH25N...	8.20-12.40	25	10°	760	250	180	R100	WR90	N Type
DH-120SGAH25S...	9.84-15.0	25	10°	570	200	155	R120	WR75	SMA
DH-140SGAH25S...	11.9-18.0	25	10°	540	175	120	R140	WR62	SMA
DH-180SGAH25S...	14.5-22.0	25	10°	424	134	104	R180	WR51	SMA
DH-220SGAH25K...	17.6-26.7	25	10°	375	120	85	R220	WR42	K2.92mm
DH-260SGAH25K...	21.7-33.0	25	10°	313	92	70	R260	WR34	K2.92mm
DH-320SGAH25K...	26.5-40.0	25	10°	259	80	56	R320	WR28	K2.92mm

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

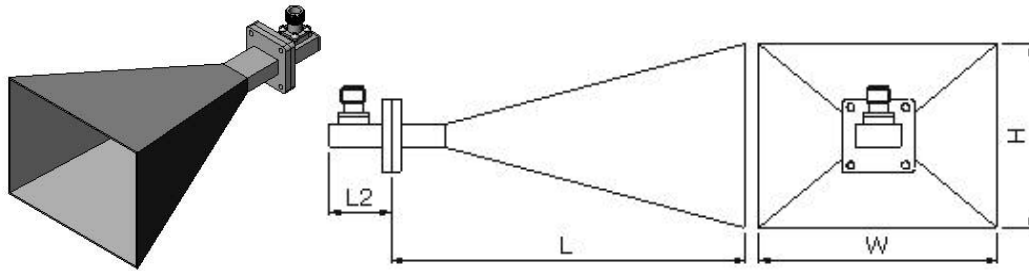
**Gain and 3dB Beamwidth values have been calculated by computer simulation.

● *Ordering Information*



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat

● *Style 3 — with Coaxial Connector*



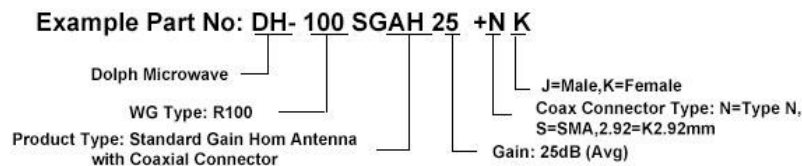
● Specifications

Model No*	Freq Range (GHz)	Gain** (dB)	3dB Beamwidth** (Nom)	Dimensions (mm)				WG Type		Connector
				L	L2	W	H	IEC	EIA	
DH-100SGAH25+N...	8.20-12.40	25	10°	775	35	250	180	R100	WR90	N Type
DH-120SGAH25+S...	9.84-15.0	25	10°	550	30	200	155	R120	WR75	SMA
DH-140SGAH25+S...	11.9-18.0	25	10°	547	27	175	120	R140	WR62	SMA
DH-180SGAH25+S...	14.5-22.0	25	10°	427	27	134	104	R180	WR51	SMA
DH-220SGAH25+K...	17.6-26.7	25	10°	375	25	120	85	R220	WR42	K2.92mm
DH-260SGAH25+K...	21.7-33.0	25	10°	327	27	92	70	R260	WR34	K2.92mm
DH-320SGAH25+K...	26.5-40.0	25	10°	266	26	80	56	R320	WR28	K2.92mm

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

**Gain and 3dB Beamwidth values have been calculated by computer simulation.

● Ordering Information



- Flange type: Multiple types available - see Dolph Microwave Flanges page
- Finish: Corrosion protection plus black top coat