

Standard Gain Horn Antenna

Note: antenna is customizable according to user requirements

P/N	Frequency (GHz)	Input Waveguide	Gain (dBi)	Connector	Dimensions (mm)
ATH-2300-10	0.32~0.49	WR2300/BJ-3	10	N	1200×1000×2000
ATH-2100-10	0.35~0.53	WR2100/BJ-4	10	N	1050×750×1800
ATH-1800-10	0.41~0.62	WR1800/BJ-5	10	N	900×650×1650
ATH-1500-10	0.49~0.75	WR1500/BJ-6	10	N	760×560×1400
ATH-1150-10	0.64~0.98	WR1150/BJ-8	10	N	600×440×1450
ATH-975-10	0.76~1.15	WR975/BJ-9	10	N	500×360×1230
ATH-770-10	0.96~1.46	WR770/BJ-12	10	N	404×284×548
ATH-770-15	0.96~1.46	WR770/BJ-12	15	N	610×460×780
ATH-650-10	1.13~1.73	WR650/BJ-14	10	N	304×279×410
ATH-650-15	1.13~1.73	WR650/BJ-14	15	N	567×423×650
ATH-510-10	1.45~2.2	WR510/BJ-18	10	N	264×184×358
ATH-510-15	1.45~2.2	WR510/BJ-18	15	N	440×325×530
ATH-430-13.5	1.72~2.61	WR430/BJ-22	13.5	N	313×232×420
ATH-430-15	1.72~2.61	WR430/BJ-22	15	N	385×290×450
ATH-340-10	2.17~3.3	WR340/BJ-26	10	N	184×124×248
ATH-340-12	2.17~3.3	WR340/BJ-26	12	N	207×146×260
ATH-340-15	2.17~3.3	WR340/BJ-26	15	N	310×240×390
ATH-284-10	2.6~3.95	WR284/BJ-32	10	N	120×100×260
ATH-284-15	2.6~3.95	WR284/BJ-32	15	N	220×170×360
ATH-284-20	2.6~3.95	WR284/BJ-32	20	N	390×285×660
ATH-229-10	3.22~4.9	WR229/BJ-40	10	N	124×84×168
ATH-229-15	3.22~4.9	WR229/BJ-40	15	N	210×150×320
ATH-229-20	3.22~4.9	WR229/BJ-40	20	N	350×260×520
ATH-187-10	3.94~5.99	WR187/BJ-48	10	N	100×75×200
ATH-187-15	3.94~5.99	WR187/BJ-48	15	N	170×120×260
ATH-187-20	3.94~5.99	WR187/BJ-48	20	N	285×220×440
ATH-159-10	4.64~7.05	WR159/BJ-58	10	N	84×69×138
ATH-159-15	4.64~7.05	WR159/BJ-58	15	N	138×103×150
ATH-159-20	4.64~7.05	WR159/BJ-58	20	N	225×173×325
ATH-137-10	5.38~8.17	WR137/BJ-70	10	N	67×52×158
ATH-137-15	5.38~8.17	WR137/BJ-70	15	N	143×113×218
ATH-137-20	5.38~8.17	WR137/BJ-70	20	N	205×160×330
ATH-112-10	6.57~9.99	WR112/BJ-84	10	N	57×42×130
ATH-112-15	6.57~9.99	WR112/BJ-84	15	N	102×71×180
ATH-112-20	6.57~9.99	WR112/BJ-84	20	N	172×128×275
ATH-90-10	8.2~12.5	WR90/BJ-100	10	N/SMA	47×41×113

ATH-90-15	8.2~12.5	WR90/BJ-100	15	N/SMA	84×60×143
ATH-90-20	8.2~12.5	WR90/BJ-100	20	N/SMA	138×107×238
ATH-90-22	8.2~12.5	WR90/BJ-100	22	N/SMA	195×145×240
ATH-90-25	8.2~12.5	WR90/BJ-100	25	N/SMA	310×240×695
ATH-75-10	9.84~15	WR75/BJ-120	10	N/SMA	43×33×95
ATH-75-15	9.84~15	WR75/BJ-120	15	N/SMA	68×48×120
ATH-75-20	9.84~15	WR75/BJ-120	20	N/SMA	108×83×190
ATH-75-25	9.84~15	WR75/BJ-120	25	N/SMA	185×155×430
ATH-62-10	11.9~18.0	WR62/BJ-140	10	N/SMA	37×27×87
ATH-62-15	11.9~18.0	WR62/BJ-140	15	N/SMA	50×35×87
ATH-62-22	11.9~18.0	WR62/BJ-140	22	N/SMA	130×96×319
ATH-62-25	11.9~18.0	WR62/BJ-140	25	N/SMA	167×130×375
ATH-51-10	14.5~22	WR51/BJ-180	10	SMA	32×22×74
ATH-51-15	14.5~22	WR51/BJ-180	15	SMA	44×34×87
ATH-51-20	14.5~22	WR51/BJ-180	20	SMA	77×60×137
ATH-51-25	14.5~22	WR51/BJ-180	25	SMA	130×100×327
ATH-42-10	17.6~26.7	WR42/BJ-220	10	3.5/K	25×18×69
ATH-42-14	17.6~26.7	WR42/BJ-220	14	3.5/K	31×22×70
ATH-42-20	17.6~26.7	WR42/BJ-220	20	3.5/K	63.5×49.5×117
ATH-42-25	17.6~26.7	WR42/BJ-220	25	3.5/K	117×90×270
ATH-34-10	21.7~33	WR34/BJ-260	10	3.5/K	22×17×64
ATH-34-13	21.7~33	WR34/BJ-260	13	3.5/K	25×19×55
ATH-34-20	21.7~33	WR34/BJ-260	20	3.5/K	54×42×120
ATH-34-25	21.7~33	WR34/BJ-260	25	3.5/K	92×72×245
ATH-28-10	26.3~40.0	WR28/BJ-320	10	3.5/K	17×15×60
ATH-28-14	26.3~40.0	WR28/BJ-320	15	3.5/K	23×17×55
ATH-28-20	26.3~40.0	WR28/BJ-320	20	3.5/K	40.5×32×95
ATH-28-25	26.3~40.0	WR28/BJ-320	25	3.5/K	80×65×200

Broadband Dual Ridge Horn Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (GHz)	VSWR (Typ.)	Gain (dBi)	Beamwidth (°)	Connector	Dimension (mm)
ATBDH220	0.2~2	2:1	5~12	80~30	N	1000×970×690
ATBDH440	0.4~4	2:1	6~13	80~30	N	660×420×510
ATBDH530	0.5~3	2:1	6~12	80~30	N/SMA	500×350×440
ATBDH660	0.6~6	2:1	7~13	80~30	N/SMA	440×290×350
ATBDH880	0.8~8	2:1	6~13	80~30	N/SMA	294×194×262
ATBDH975	0.9~7.5	2:1	7~14.5	70~25	N/SMA	300×205×255
ATBDH1025	1~2.5	2:1	14.5~19	20~5	N/SMA	670×470×600
ATBDH1030	1~3	2:1	10~15	40~15	N/SMA	440×290×350
ATBDH1080A	1~8	2.5:1	-5~13	200~30	N/SMA	90×82×150

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ATBDH1080B	1~8	2:1	6~13	80~30	N/SMA	241×160×204
ATBDH10125	1~12.5	2:1	6~14.5	80~30	N/SMA	241×160×204
ATBDH10180	1~18	2.5:1	6~14.5	80~20	N/SMA	241×160×204
ATBDH2060A	2~6	2:1	9~13	50~15	N/SMA	241×160×204
ATBDH2060B	2~6	2:1	12~17	30~10	N/SMA	400×320×450
ATBDH2080	2~8	2:1	10~14	60~10	N/SMA	241×160×204
ATBDH20180A	2~18	2:1	8~13	80~20	N/SMA	180×140×170
ATBDH20180B	2~18	2:1	6~15	70~20	N/SMA	105×80×130
ATBDH20245	2~24.5	2:1	6~17	120~10	SMA	85×65×130
ATBDH20265	2~26.5	2:1	5~16	80~10	SMA	140×120×202
ATBDH75180	7.5~18	2:1	20~22	20~5	SMA	160×120×300
ATBDH80180	8~18	2:1	10~20	70~10	SMA	90×70×140
ATBDH18400	18~40	2:1	14~19	40~10	K	34×28×75

Periodic Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	VSWR (Typ.)	Gain (dBi)	Beamwidth (°)	Connector	Dimension (mm)
ATBDLP1050	100~500	2:1	6	120~50	N	2600×1800
ATBDLP1080	100~800	3:1	6	120~50	N	2600×1800
ATBDLP10100	100~1000	3:1	6	120~50	N	2600×1800
ATBDLP1350	130~500	3:1	6	120~50	N	2300×1350
ATBDLP18100	180~1000	3:1	6	120~50	N	1300×900
ATBDLP18200	180~2000	3:1	6	120~50	N	1300×900
ATBDLP2080	200~800	3:1	7	120~50	N	1250×860
ATBDLP20200	200~2000	3:1	7	120~50	N	1250×860
ATBDLP25100	250~1000	2.5:1	7	120~50	N	1055×680
ATBDLP30200	300~2000	3:1	6	120~50	N	900×560
ATBDLP40200	400~2000	2.5:1	6	120~50	N	800×410
ATBDLPS50300	500~3000	3:1	6	120~50	N	600×350
ATBDLP80500	800~5000	3:1	6	120~50	N	500×320
ATBDLP100400	1000~4000	3:1	6	120~50	N	450×220
ATBDLP100600	1000~6000	3:1	6	120~50	N	450×220

Diskcone Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	VSWR (Typ.)	Gain (dBi)	Power (CW)	Connector	Dimension (mm)
ATBDDC450	40~500	2:1	0	300W	N	Φ2050×1800
ATBDDC650	60~500	2:1	0	300W	N	Φ1500×1000
ATBDDC7100	70~1000	2.5: 1	0	300W	N	Φ1180×920
ATBDDC850	80~500	2.5: 1	0	300 W	N	Φ1180×920
ATBDDC1040	100~400	2.0: 1	0	300 W	N	Φ1180×920
ATBDDC2040	200~400	2.0: 1	0	300 W	N	Φ600×470
ATBDDC25100	250~1000	2.5: 1	0	300 W	N	Φ476×425
ATBDDC50300	500~3000	2.5: 1	0	200W	N	Φ250×200
ATBDDC80200	800~2000	2.5: 1	0	200W	N	Φ155×140
ATBDDC100300	1000~3000	2.5: 1	0	100W	SMA	Φ180×120
ATBDDC100800	1000~8000	2.0: 1	0	100W	SMA	Φ110×120

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ATBDDC1001200	1000~12000	2.0: 1	0	100W	SMA	Φ110×120
ATBDDC1001800	1000~18000	2.5: 1	0	100W	SMA	Φ110×80
ATBDDC3001500	3000~15000	2.5: 1	0	50W	SMA	Φ65×42
ATBDDC8001800	8000~18000	2.0: 1	0	50W	SMA	Φ45×60
ATBDDC14002650	14000~26500	2.5: 1	0	50W	SMA	Φ65×22

Biconical Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	VSWR (Typ.)	Gain (dBi)	Power (CW)	Connector	Dimension (mm)
ATBDBC1040	100~400	2.5:1	0~2	300W	N	Φ1180×800
ATBDBC20300	200~3000	2.5:1	0~2	200W	N	Φ650×400
ATBDBC50300	500~3000	2:1	0~2	100W	N	Φ280×200
ATBDBC100300	1000~3000	2:1	0~2	100W	N	Φ180×120
ATBDBC2001800	2000~18000	2:1	0~2	50W	SMA	Φ123×82
ATBDBC2002650	2000~26500	2:1	0~2	50W	SMA	Φ123×82
ATBDBC3001500	3000~15000	2.5:1	0~2	50W	SMA	Φ65×42
ATBDBC14002650	14000~26500	2.5:1	0~2	50W	SMA	Φ65×42

Backed Spirals Antenna

Note: antenna is customizable according to user requirements							
P/N	Frequency (GHz)	Circularly Polarized Gain (dBic)	Axial Ratio (dB)	VSWR	Beamwidth (°)	Connector	Dimensions (mm)
ATBDBS520	0.5~2	≥-5	≤6	2:1	55~120	N	Φ226×230
ATBDBS840	0.8~4	≥0	≤3	2:1	70~110	SMA	Φ154×85
ATBDBS1020	1~2	≥-3	≤3	2:1	55~120	SMA	Φ135×90
ATBDBS1080	1~8	≥-4	≤4	2:1	60~120	SMA	Φ120×90
ATBDBS10180	1~18	≥-4	≤3	3:1	55~120	SMA	Φ120×90
ATBDBS2040	2~4	≥1	≤4	2:1	55~120	SMA	Φ68×50
ATBDBS20180A	2~18	≥-4	≤3	2.5:1	55~135	SMA	Φ61.5×50
ATBDBS20180B	2~18	≥-4	≤4	2.5:1	55~135	SMA	Φ55×50
ATBDBS20180C	2~18	≥-9	≤6	2.5:1	55~120	SMA	Φ40×50
ATBDBS4080	4~8	≥1	≤3	2.5:1	55~120	SMA	Φ35×40
ATBDBS60180	6~18	≥0	≤4	2.5:1	50~120	SMA	Φ25×50
ATBDBS18265	18~26.5	≥-4	≤3	3: 1	55~120	SMA	Φ30×30

Navigation Antenna

Note: antenna is customizable according to user requirements					
Product Name	P/N	Frequency	Gain (dB)	NF (dB)	Power Supply
GPS Single Frequency Measuring Antenna E30	AT000GASU30E	GPS L1	32	1.5	5V/20mA
GPS Single Frequency Measuring Antenna E40	AT000GASU40E	GPS L1	44	1.5	3~5V/20mA
GPS Single Frequency Measuring Antenna E50	AT000GASU50E	GPS L1	54	1.5	5V/40mA
GPS Dual-frequency Measuring Antenna E30	AT000GDSU30E	GPS L1/L2	32	1.0	3~5V/60mA
GPS Dual-frequency Measuring Antenna E40	AT000GDSU40E	GPS L1/L2	46	1.0	3~5V/80mA
GPS Dual-frequency Measuring Antenna E50	AT000GDSU50E	GPS L1/L2	56	1.0	3~5V/80mA
GPS Dual-frequency Aeronautical Antenna A30	AT000GDAV30A	GPS L1/L2	32	1.0	3~5V/60mA
GPS Single-frequency Aeronautical Antenna A30	AT000GAAV30A	GPS L1	32	2.0	5V/20mA
GPS Single-frequency Aeronautical Antenna A40	AT000GAAV40A	GPS L1	42	2.0	3~5V/20mA
Tristar Single Frequency Aeronautical Antenna A40	AT0GGBAAV40A	GPS L1/GLONASS L1/B1	42	2.0	3~5V/20mA
Tristar Dual Frequency Aeronautical Antenna A40	AT0GGBDAV40A	GPS L1 L2/GLONASS L1 L2/BD B1 B2 B3	42	2.0	5V/80mA
Beidou Generation1 Aeronautical Antenna A40	AT000BAAV40A	BD1	42	1.5	5V/35mA
GPS Timing Antenna F40	AT000GATS40F	GPS L1	42	2.0	3~5V/20mA
Beidou Generation1 Timing Antenna F40	AT000BATS40F	BD1	42	1.5	5V/35mA
Beidou Generation1 Timing Antenna F50	AT000BATS50F	BD1	50	1.5	5V/50mA
Tristar Single Frequency Timing Antenna F40	AT00GBATS40F	GPS L1/B1/GLONASS L1	42	1.5	5V/50mA
GPS/GLONASS Binary Star Vehicle Antenna A40	AT00GGAOV40A	GPS L1/GLONASS L1	42	2.0	3~5V/20mA
GPS/GLONASS Dual-frequency Dual-system Antenna E40	AT00GGDSU40E	GPS L1 L2/GLONASS L1 L2	42	2.0	5V/100mA
GPS/GLONASS/Beidou Generation1/Beidou Generation2 Antenna E40	ATGGBBBSU40E	GPS L1/GLONASS L1/BD1/BD2 B1	42	1.5	5V/80mA
GPS/Subsatellite/Iridium Passive Antenna G0	AT0GAIA0000G	1200~1660M Hz	5	\	\

Diskcone Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	VSWR (Typ.)	Gain (dBi)	Power (CW)	Connector	Dimension (mm)
ATBDDC450	40~500	2:1	0	300W	N	Φ2050×1800
ATBDDC650	60~500	2:1	0	300W	N	Φ1500×1000
ATBDDC7100	70~1000	2.5: 1	0	300W	N	Φ1180×920
ATBDDC850	80~500	2.5: 1	0	300 W	N	Φ1180×920
ATBDDC1040	100~400	2.0: 1	0	300 W	N	Φ1180×920
ATBDDC2040	200~400	2.0: 1	0	300 W	N	Φ600×470
ATBDDC25100	250~1000	2.5: 1	0	300 W	N	Φ476×425
ATBDDC50300	500~3000	2.5: 1	0	200W	N	Φ250×200
ATBDDC80200	800~2000	2.5: 1	0	200W	N	Φ155×140
ATBDDC100300	1000~3000	2.5: 1	0	100W	SMA	Φ180×120
ATBDDC100800	1000~8000	2.0: 1	0	100W	SMA	Φ110×120
ATBDDC1001200	1000~12000	2.0: 1	0	100W	SMA	Φ110×120
ATBDDC1001800	1000~18000	2.5: 1	0	100W	SMA	Φ110×80
ATBDDC3001500	3000~15000	2.5: 1	0	50W	SMA	Φ65×42
ATBDDC8001800	8000~18000	2.0: 1	0	50W	SMA	Φ45×60
ATBDDC14002650	14000~26500	2.5: 1	0	50W	SMA	Φ65×22

Biconical Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	VSWR (Typ.)	Gain (dBi)	Power (CW)	Connector	Dimension (mm)
ATBDBC1040	100~400	2.5:1	0~2	300W	N	Φ1180×800
ATBDBC20300	200~3000	2.5:1	0~2	200W	N	Φ650×400
ATBDBC50300	500~3000	2:1	0~2	100W	N	Φ280×200
ATBDBC100300	1000~3000	2:1	0~2	100W	N	Φ180×120
ATBDBC2001800	2000~18000	2:1	0~2	50W	SMA	Φ123×82
ATBDBC2002650	2000~26500	2:1	0~2	50W	SMA	Φ123×82
ATBDBC3001500	3000~15000	2.5:1	0~2	50W	SMA	Φ65×42
ATBDBC14002650	14000~26500	2.5:1	0~2	50W	SMA	Φ65×42

Linear Polarized Microstrip Unit Antenna

Note: antenna is customizable according to user requirements					
P/N	Frequency (GHz)	Bandwidth	VSWR (Typ.)	Connector	Impedance (Ω)
ATMI041	0.4~1	5%	<2.1	N	50
ATMI102	1~2	5%	<2.1	N	50
ATMI204	2~4	8%	<2.1	N/SMA	50
ATMI408	4~8	8%	<2.1	SMA	50
ATMI80A	8~12.5	8%	<2.1	SMA	50
ATMIA0B	12.5~18	8%	<2.1	SMA	50

Circularly Polarized Microstrip Unit Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	Axis Ratio	VSWR (Typ.)	Bandwidth	Connector	Impedance (Ω)
ATMC041	400~1000	<3dB	<2.1	5%	N	50
ATMC102	1000~2000	<3dB	<2.1	5%	N	50
ATMC204	2000~4000	<3dB	<2.1	5%	N/SMA	50
ATMC408	4000~8000	<3dB	<2.1	5%	SMA	50
ATMC80A	8000~12500	<3dB	<2.1	5%	SMA	50
ATMCA0B	12500~18000	<3dB	<2.1	5%	SMA	50

Microstrip Array Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (MHz)	VSWR (Typ.)	Gain (dBi)	Bandwidth	Connector	Impedance (Ω)
ATMA041	400~1000	<2.1	10~15	5%	N	50
ATMA102	1000~2000	<2.1	10~15	5%	N	50
ATMA204	2000~4000	<2.1	15~20	8%~10%	N/SMA	50
ATMA408	4000~8000	<2.1	15~20	8%~10%	SMA	50
ATMA80A	8000~12500	<2.1	20~30	8%~10%	SMA	50
ATMAA0B	12500~18000	<2.1	20~30	8%~10%	SMA	50

Column Helical Antenna

Note: antenna is customizable according to user requirements						
P/N	Frequency (GHz)	Bandwidth	VSWR (Typ.)	Gain (dBi)	Connector	Impedance (Ω)
ATS041	0.4~1	30%~40%	2:1	6~15	N	50
ATS102	1~2		2:1		N	50
ATS204	2~4		2:1		N/SMA	50
ATS408	4~8		2:1		SMA	50
ATS80A	8~12.5		2:1		SMA	50