

Antenna Manufacturer's Name: Radio Frequency Systems Division of Alcatel

Antenna Model	Antenna Type	Mainbeam Gain	Antenna Diameter	Single or Dual	Lowest RF Freq	Highest RF Freq	Beam Width	Cross Pol Discrimination	Front-to-Back Ratio	Description
Number		dBi	feet	Polarized	MHz	MHz	dB	dB	dB	
SPF2-52B	Parabolic	28.5	2	Single	5250	5850	5.8	30	43	Standard Performance, SlimLine, Non-Pressurized
SPF3-52B	Parabolic	32.0	3	Single	5250	5850	3.9	30	45	Standard Performance, SlimLine, Non-Pressurized
SPF4-52B	Parabolic	34.4	4	Single	5250	5850	3.0	30	48	Standard Performance, SlimLine, Non-Pressurized
SPF6-52B	Parabolic	38.1	6	Single	5250	5850	2.0	30	50	Standard Performance, SlimLine, Non-Pressurized
PSF8-57A	Parabolic	40.4	8	Single	5725	5850	1.7	25	46	Standard Performance, Non-Pressurized
PSF10-57A	Parabolic	42.7	10	Single	5725	5850	1.4	25	49	Standard Performance, Non-Pressurized
MA0528-23A	Flat Panel	23.0	1	Single	5725	5875	9.0	28	35	Flat Panel, Non-Pressurized
MA0528-28A	Flat Panel	28.0	2	Single	5725	5875	4.5	28	45	Flat Panel, Non-Pressurized
MAX0528-23A	Flat Panel	23.0	1	Dual	5725	5875	9.0	30	30	Flat Panel, Non-Pressurized
PA4-57A	Parabolic	34.8	4	Single	5725	5850	3.1	30	42	Standard Performance
PA6-57A	Parabolic	38.3	6	Single	5725	5850	2.1	30	46	Standard Performance
PA8-57A	Parabolic	40.8	8	Single	5725	5850	1.5	30	48	Standard Performance
PA10-57A	Parabolic	42.7	10	Single	5725	5850	1.2	30	51	Standard Performance
SDF4-52B	Parabolic	34.4	4	Single	5250	5850	3.0	30	58	High Performance, SlimLine, Non-Pressurized
SDF6-52B	Parabolic	38.1	6	Single	5250	5850	2.0	30	61	High Performance, SlimLine, Non-Pressurized
DA4-57A	Parabolic	34.8	4	Single	5725	5850	3.1	30	55	High Performance
DA6-57A	Parabolic	38.3	6	Single	5725	5850	2.1	30	64	High Performance
DA8-57A	Parabolic	40.8	8	Single	5725	5850	1.5	30	68	High Performance
DA10-57A	Parabolic	42.7	10	Single	5725	5850	1.2	30	70	High Performance
UA6-56A	Parabolic	38.5	6	Single	5670	6170	2.0	30	66	Ultra High Performance
UA8-56A	Parabolic	41.0	8	Single	5670	6170	1.5	30	69	Ultra High Performance
UA10-56A	Parabolic	42.9	10	Single	5670	6170	1.2	30	71	Ultra High Performance
PAX6-56A	Parabolic	38.4	6	Dual	5670	6170	2.0	30	46	Standard Performance
PAX8-56A	Parabolic	40.9	8	Dual	5670	6170	1.5	30	48	Standard Performance
PAX10-56A	Parabolic	42.8	10	Dual	5670	6170	1.2	30	50	Standard Performance
DAX6-56A	Parabolic	38.4	6	Dual	5670	6170	2.0	30	59	High Performance
DAX8-56A	Parabolic	40.9	8	Dual	5670	6170	1.5	30	67	High Performance
DAX10-56A	Parabolic	42.8	10	Dual	5670	6170	1.2	30	69	High Performance
UDA6-56A	Parabolic	38.4	6	Dual	5670	6170	2.0	30	66	Ultra High Performance
UDA8-56A	Parabolic	40.9	8	Dual	5670	6170	1.5	30	70	Ultra High Performance
UDA10-56A	Parabolic	42.8	10	Dual	5670	6170	1.2	30	72	Ultra High Performance

Figure 1

Antenna Manufacturer's Name: Radio Frequency Systems Division of Alcatel

Antenna Model Number	Antenna Type	Mainbeam Gain dBi	Antenna Diameter feet	Single or Dual Polarized	Lowest RF Freq MHz	Highest RF Freq MHz	Beam Width dB	Cross Pol Discrimination dB	Front-to-Back Ratio dB	Description
UXA6-56A	Parabolic	38.4	6	Dual	5670	6170	2.0	40	68	Ultra High Performance, High XPD
UXA8-56A	Parabolic	40.9	8	Dual	5670	6170	1.5	40	70	Ultra High Performance, High XPD
UXA10-56A	Parabolic	42.8	10	Dual	5670	6170	1.2	40	72	Ultra High Performance, High XPD
PAD6-W57A	Parabolic	38.9	6	Single	5725	6875	1.9	30	55	Standard Performance, FCC Part 101 Category A
PAD8-W57A	Parabolic	41.4	8	Single	5725	6875	1.4	30	57	Standard Performance, FCC Part 101 Category A
PA4-W57A	Parabolic	35.5	4	Single	5725	6875	2.8	28	42	Standard Performance
PA6-W57A	Parabolic	39.0	6	Single	5725	6875	1.9	30	46	Standard Performance
PA8-W57A	Parabolic	41.5	8	Single	5725	6875	1.4	30	48	Standard Performance
PA10-W57A	Parabolic	43.5	10	Single	5725	6875	1.1	30	51	Standard Performance
DA4-W57A	Parabolic	35.5	4	Single	5725	6875	2.8	28	55	High Performance
DA6-W57A	Parabolic	39.0	6	Single	5725	6875	1.9	30	64	High Performance
DA8-W57A	Parabolic	41.5	8	Single	5725	6875	1.4	30	68	High Performance
DA10-W57A	Parabolic	43.5	10	Single	5725	6875	1.1	30	70	High Performance

Antenna Manufacturer's Name: Andrew Corporation

Antenna Model Number	Antenna Type	Mainbeam Gain dBi	Antenna Diameter feet	Single or Dual	Lowest RF Freq MHz	Highest RF Freq MHz	Beam Width dB	Cross Pol Discrimination dB	Front-to-Back Ratio dB	Description
P2F-52	Parabolic	29.4	2	Single	5250	5850	5.4	30	41	Standard Performance, Unpressurized
P3F-52	Parabolic	33.4	3	Single	5250	5850	3.8	30	42	Standard Performance, Unpressurized
P4F-52	Parabolic	34.9	4	Single	5250	5850	3.0	30	52	Standard Performance, Unpressurized
P6F-52	Parabolic	37.6	6	Single	5250	5850	1.8	30	49	Standard Performance, Unpressurized
PX2F-52	Parabolic	29.4	2	Dual	5250	5850	5.4	30	41	Standard Performance, Unpressurized
PX3F-52	Parabolic	33.4	3	Dual	5250	5850	3.8	30	42	Standard Performance, Unpressurized
PX4F-52	Parabolic	34.9	4	Dual	5250	5850	3.0	30	52	Standard Performance, Unpressurized
PX6F-52	Parabolic	37.6	6	Dual	5250	5850	1.8	30	49	Standard Performance, Unpressurized
FPA5250D12-N	Flat Panel	23.6	1	Single	5250	5850	9.6	30	38	Flat Panel
FPA5250D24-N	Flat Panel	28.5	2	Single	5250	5850	4.8	30	43	Flat Panel
FPA5150-23PM-1	Flat Panel	23.0	1	Single	5150	5875	10.5		35	Flat Panel, Pole Mount
FPA5150-16-1	Flat Panel	23.0	1	Single	5150	5875	10.5		35	Flat Panel, Adjustable Mount
HP2F-52	Parabolic	29.0	2	Single	5250	5850	5.4	30	50	High Performance, Unpressurized
HP3F-52	Parabolic	33.0	3	Single	5250	5850	3.8	30	53	High Performance, Unpressurized
HP4F-52	Parabolic	34.5	4	Single	5250	5850	3.0	30	58	High Performance, Unpressurized
HP6F-52	Parabolic	37.2	6	Single	5250	5850	1.8	30	56	High Performance, Unpressurized
HPX2F-52	Parabolic	29.0	2	Dual	5250	5850	5.4	30	50	High Performance, Unpressurized
HPX3F-52	Parabolic	33.0	3	Dual	5250	5850	3.8	30	53	High Performance, Unpressurized
HPX4F-52	Parabolic	34.5	4	Dual	5250	5850	3.0	30	58	High Performance, Unpressurized
HPX6F-52	Parabolic	37.2	6	Dual	5250	5850	1.8	30	56	High Performance, Unpressurized
PAR6-59	Parabolic	37.8	6	Single	5725	5850	2.0	30	55	Standard Performance, FCC Part 101 Category A
PAR8-59	Parabolic	40.2	8	Single	5725	5850	1.5	30	55	Standard Performance, FCC Part 101 Category A
P2F-57W	Parabolic	29.3	2	Single	5725	6425	5.8	30	40	Standard Performance, Wide Band, Unpressurized
P4F-57W	Parabolic	35.0	4	Single	5725	6425	2.9	30	40	Standard Performance, Wide Band, Unpressurized
P6F-57W	Parabolic	38.5	6	Single	5725	6425	2.0	30	45	Standard Performance, Wide Band, Unpressurized
P8F-57W	Parabolic	41.2	8	Single	5725	6425	1.6	30	47	Standard Performance, Wide Band, Unpressurized
P10F-57W	Parabolic	42.9	10	Single	5725	6425	1.3	30	50	Standard Performance, Wide Band, Unpressurized
P2-57W	Parabolic	29.3	2	Single	5725	6425	5.8	30	40	Standard Performance, Wide Band
P4-57W	Parabolic	35.0	4	Single	5725	6425	2.9	30	40	Standard Performance, Wide Band
PL6-57W	Parabolic	38.5	6	Single	5725	6425	2.0	30	45	Standard Performance, Low VSWR, Wide Band
PL8-57W	Parabolic	41.2	8	Single	5725	6425	1.6	30	47	Standard Performance, Low VSWR, Wide Band
PL10-57W	Parabolic	42.9	10	Single	5725	6425	1.3	30	50	Standard Performance, Low VSWR, Wide Band

Figure 2

Antenna Manufacturer's Name: Andrew Corporation

Antenna Model Number	Antenna Type	Mainbeam Gain dBi	Antenna Diameter feet	Single or Dual Polarized	Lowest RF Freq MHz	Highest RF Freq MHz	Beam Width dB	Cross Pol Discrimination dB	Front-to-Back Ratio dB	Description
HP4F-57W	Parabolic	35.0	4	Single	5725	6425	2.9	30	52	High Performance, Wide Band, Unpressurized
HP6F-57W	Parabolic	38.5	6	Single	5725	6425	2.0	30	60	High Performance, Wide Band, Unpressurized
HP8F-57W	Parabolic	41.2	8	Single	5725	6425	1.6	30	64	High Performance, Wide Band, Unpressurized
HP10F-57W	Parabolic	42.9	10	Single	5725	6425	1.3	30	65	High Performance, Wide Band, Unpressurized
HP4-57W	Parabolic	35.0	4	Single	5725	6425	2.9	30	52	High Performance, Wide Band
HP6-57W	Parabolic	38.5	6	Single	5725	6425	2.0	30	60	High Performance, Wide Band
HP8-57W	Parabolic	41.2	8	Single	5725	6425	1.6	30	64	High Performance, Wide Band
HP10-57W	Parabolic	42.9	10	Single	5725	6425	1.3	30	65	High Performance, Wide Band
PARX6-59	Parabolic	37.6	6	Dual	5725	5850	2.0	30	58	Standard Performance, FCC Part 101 Category A
PARX8-59	Parabolic	40.2	8	Dual	5725	5850	1.5	30	59	Standard Performance, FCC Part 101 Category A
HPX8-56	Parabolic	41.0	8	Dual	5600	6200	1.6	30	68	High Performance
HPX10-56	Parabolic	42.5	10	Dual	5600	6200	1.4	30	69	High Performance
UHX10-56	Parabolic	42.9	10	Dual	5600	6200	1.1	36	72	Ultra High Performance
UMX10-4456	Parabolic	42.2	10	Dual	5600	6200	1.2	35	76	4.7 / 5.8 GHz Ultra HP Multiband, 4 Port

Photos of Typical Antennas from Andrew Corporation



Standard Parabolic Antenna

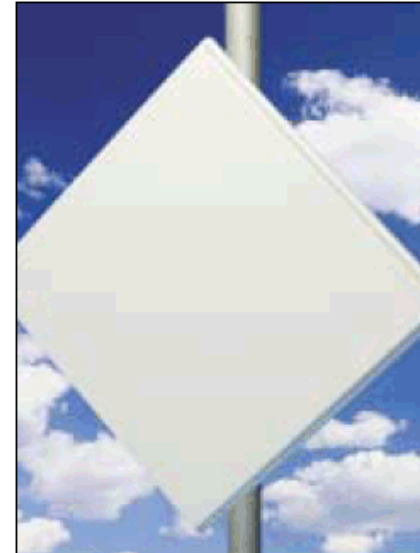
Parabolic Antenna

Standard Performance



Parabolic Antenna

High Performance or
Ultra-High Performance



Flat Panel Array Antenna

Flat Panel Antenna

Figure 3

Photos of Typical Antennas from Radio Frequency Systems



Parabolic Antenna
Standard Performance



Parabolic Antenna
High Performance or
Ultra-High Performance



Flat Panel Antenna

Figure 4