



ALARIS
ANTENNAS



INSPIRING THE NEXT RF SOLUTION

LPDAs

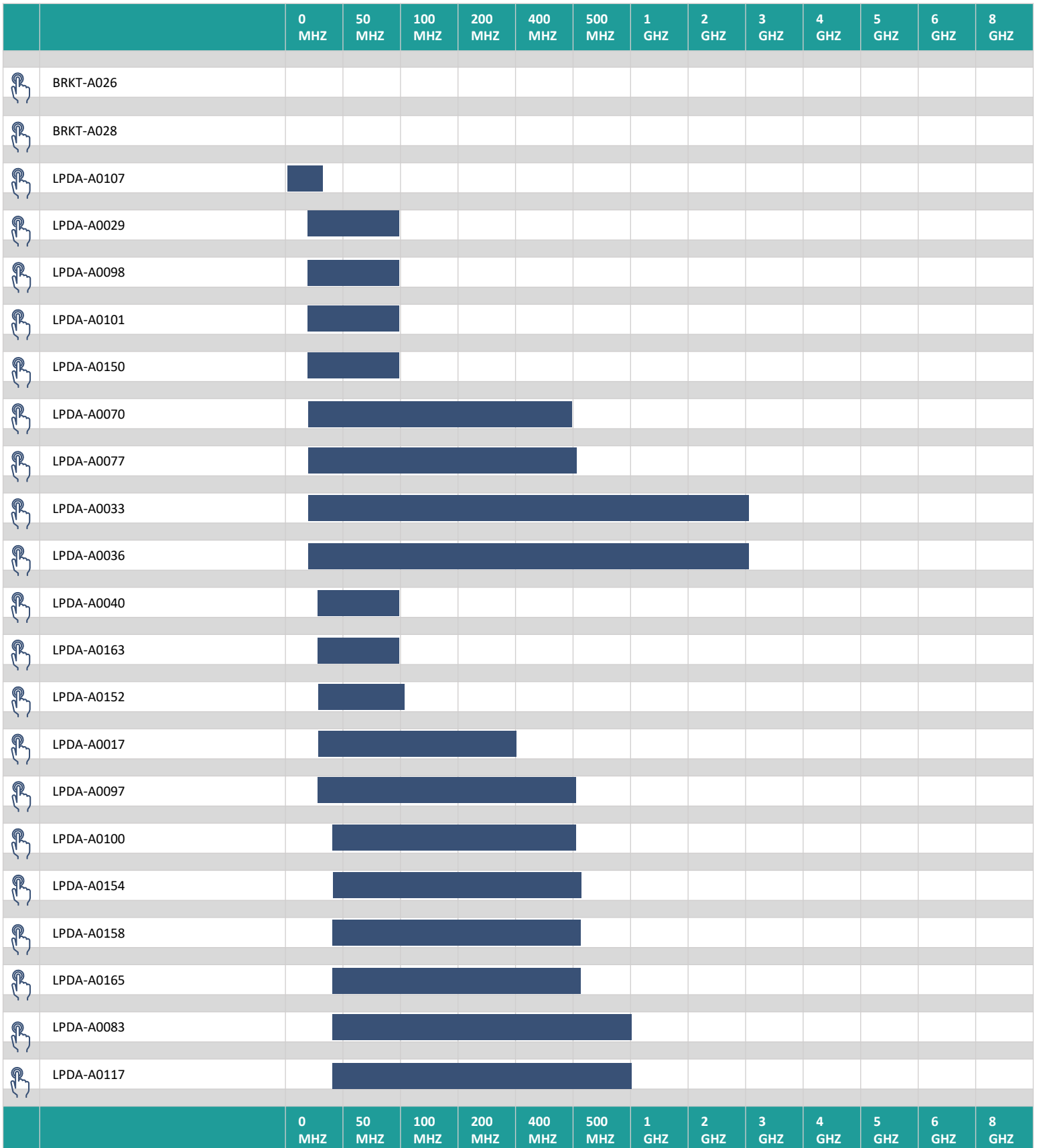




LPDA ANTENNAS

High Power Transmit

Log periodic dipole arrays (LPDAs) are wideband antennas providing directional gain and are typically used for wideband monitoring, and high power transmit applications. Their broad frequency coverage reduces the number of antennas required in an EW system. The LPDAs in our range cover the spectrum from 2 MHz to 6 GHz. High-power versions are offered for jamming purposes, lower power versions for monitoring applications.





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	0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz
LPDA-A0050		█	█	█	█	█	█	█					
LPDA-A0111		█	█	█	█	█	█	█					
LPDA-A0016		█	█	█	█	█	█	█					
LPDA-A0125		█	█	█	█	█	█	█					
LPDA-A0030			█	█	█	█							
LPDA-A0041			█	█	█	█							
LPDA-A0054			█	█	█	█							
LPDA-A0094			█	█	█	█							
LPDA-A0102			█	█	█	█							
LPDA-A0113			█	█	█	█							
LPDA-A0139			█	█	█	█							
LPDA-A0037			█	█	█	█	█	█					
LPDA-A0108			█	█	█	█	█	█					
LPDA-A0110			█	█	█	█	█	█					
LPDA-A0153				█	█	█	█	█					
LPDA-A0076				█	█								
LPDA-A0080				█	█	█	█	█					
LPDA-A0005				█	█	█	█	█					
LPDA-A0073					█	█	█						
LPDA-A0084					█	█	█	█					
LPDA-A0112					█	█	█	█					
LPDA-A0121					█	█	█	█	█	█	█	█	



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		0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz
	LPDA-A0141													
	LPDA-A0162													
	LPDA-A0167													
	LPDA-A0031													
	LPDA-A0042													
	LPDA-A0103													
	LPDA-A0114													
	LPDA-A0075													
	LPDA-A0052													
	LPDA-A0067													
	LPDA-A0105													
	LPDA-A0123													
	LPDA-A0081													
	LPDA-A0032													
	LPDA-A0104													
	LPDA-A0043													
	LPDA-A0074													
	LPDA-A0160													
		0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz



LPDA ANTENNAS Monitoring





Log periodic dipole arrays (LPDAs) are wideband antennas providing directional gain and are typically used for wideband monitoring, and high power transmit applications. Their broad frequency coverage reduces the number of antennas required in an EW system. The LPDAs in our range cover the spectrum from 2 MHz to 6 GHz. High-power versions are offered for jamming purposes, lower power versions for monitoring applications.

		0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz
	BRKT-A026													
	BRKT-A028													
	LPMA-A0010	█												
	LPDA-A0066	█												
	LPMA-A0006		█	█	█	█								
	LPDA-A0047		█	█	█	█	█	█	█					
	LPDA-A0175		█	█	█	█	█	█	█					
	LPDA-A0124			█	█	█	█	█	█	█				
	LPDA-A0134			█	█	█	█	█						
	LPDA-A0176					█	█	█						
	LPDA-A0156							█	█	█	█			
		0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz



LPDA ANTENNAS Communication

Log periodic dipole arrays (LPDAs) are wideband antennas providing directional gain and are typically used for wideband monitoring, and high power transmit applications. Their broad frequency coverage reduces the number of antennas required in an EW system. The LPDAs in our range cover the spectrum from 2 MHz to 6 GHz. High-power versions are offered for jamming purposes, lower power versions for monitoring applications.

		0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz
	LPMA-A0010	■												
	RA10-118-01 (RLP10-30)	■												
	LPDA-A0180	■												
	RA10-117-01 (RLP13-30)	■												
		0 MHz	50 MHz	100 MHz	200 MHz	400 MHz	500 MHz	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	8 GHz



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Antenna	Product Description	Frequency	Gain	Polarisation	Dimensions (mm)	Mass	Connector	Power
BRKT-A026	LPDA Extension Mast	-	-	-	150 (L) x 558 (H) x 210 (W)	3 kg	-	-
BRKT-A028	Polarisation-flipping Bracket for LPDAs	-	-	-	250 (L) x 180 (H) x 220 (W)	2.2 kg	-	-
LPDA-A0107	Mobile HF Monitoring / High-power LPDA	2 – 30 MHz	9 dBi	Horizontal	90000 (L) x 20000 (D) x 80000 (W)	100 kg	7/16 (f)	2.5 kW CW
LPDA-A0029	High-power LPDA	20 – 100 MHz	6 dBi	Adjustable, Vertical & horizontal	6320 (L) x 5700 (W)	38 kg	7/16 (f)	2 kW
LPDA-A0098	High-power Wire LPDA Antenna	20 – 100 MHz	6 dBi	Adjustable upon installation	8550 (L) x 560 (D) x 6480 (W)	42 kg	7/16 (f)	1000 W
LPDA-A0101	Very high-power LPDA	20 – 100 MHz	6 dBi	Adjustable, Vertical & horizontal	7036 (L) x 8708 (W)	53 kg	1 5/8 (f)	5 kW
LPDA-A0150	Wideband Foldable LPDA Antenna	20 – 100 MHz	6 dBi typical	Adjustable, Vertical & horizontal	6400 (L) x 5700 (D) x 550 (W)	< 45 kg	7/16 (f)	2000 W
LPDA-A0070	Dual-polarised LPDA Antenna	20 – 500 MHz	5.5 dBi	Dual (vertical & horizontal)	6700 (L) x 5700 (W)	46 kg	N-Type (f)	100 W
LPDA-A0077	High-power LPDA Antenna	20 – 520 MHz	> 2.5 to > 5 dBi	Adjustable with deployment	5200 (L) x 7000 (W)	< 50 KG	7/16 (f)	1000 W CW
LPDA-A0033	Wideband LPDA Antenna	20 – 3000 MHz	6 dBi	Linear (vertical or horizontal)	6200 (L) x 5700 (W)	32 kg	7/16 (f)	1000 W CW
LPDA-A0036	Wideband LPDA Antenna	20 – 3000 MHz	6 dBi	Adjustable (vertical & horizontal)	2882 (L) x 829 (H) x 2804 (W)	20 kg	7/16 (f)	1000 W
LPDA-A0040	Dual-polarized LPDA Antenna	30 – 100 MHz	5 dBi	Dual	3600 (L) x 3700 (H) x 3700 (W)	< 45 kg	7/16 (f)	1 kW
LPDA-A0163	Wideband Foldable LPDA Antenna	30 – 100 MHz	See Data Sheet	Adjustable (vertical & horizontal)	4500 (L) x 3050 (H) x 550 (W)	< 28 kg	7/16 (f)	1000 W
LPDA-A0152	High-power Compact LPDA	30 – 120 MHz	6 dBi	Adjustable (vertical & horizontal)	4100 (L) x 3050 (H)	< 46 kg	7/16 (f)	2 kW
LPDA-A0017	Wideband Log Periodic Dipole Array	30 – 400 MHz	8.5 dBi	Linear (vertical or horizontal)	6392 (L) x 2590 (H)	57 kg	7/16 (f)	2 kW
LPDA-A0097	Wideband Wire LPDA Antenna	30 – 500 MHz	See Data Sheet	Linear (vertical or horizontal)	1875 (L) x 3550 (H) x 420 (W)	< 11 kg	N-Type (f)	200 W
LPDA-A0100	Wideband Wire LPDA Antenna	30 – 500 MHz	See Data Sheet	Linear (vertical or horizontal)	1900 (L) x 3550 (H) x 420 (W)	< 15 kg	7/16 (f)	1000 W
LPDA-A0154	Wideband Foldable LPDA Antenna	30 – 512 MHz	See Data Sheet	Adjustable (vertical & horizontal)	4700 (L) x 3050 (H) x 185 (W)	< 25 kg	7/16 (f)	1000 W
LPDA-A0158	Wideband Modular Foldable LPDA Antenna	30 – 512 MHz	See Data Sheet	Adjustable (vertical & horizontal)	4810 (L) x 5350 (H) x 182 (W)	< 43 kg	7/16 (f)	1000 W
LPDA-A0165	Wideband Foldable LPDA Antenna	30 – 512 MHz	7 dBi typical	Adjustable (vertical & horizontal)	5010 (L) x 5350 (H) x 550 (W)	< 28 kg	7/16 (f)	1000 W
LPDA-A0083	Wideband LPDA	30 – 1000 MHz	4 dBi	Adjustable (vertical & horizontal)	3500 (L) x 4500 (H) x 200 (W)	25 kg	N-Type (f)	1 kW
LPDA-A0117	Wideband LPDA	30 – 1000 MHz	4 dBi	Adjustable (vertical & horizontal)	3500 (L) x 4500 (H) x 200 (W)	25 kg	N-Type (f)	1 kW
LPDA-A0050	High-power LPDA Antenna	30 – 2500 MHz	> 4 dBi	Adjustable (vertical & horizontal)	6150 (L) x 5000 (W)	38 kg	7/16 (f)	1000 W
LPDA-A0111	Wideband Log Periodic Dipole Array	80 – 2000 MHz	> 8 dBi	Linear (vertical or horizontal)	2200 (L) x 2000 (W)	8.5 kg	N-Type (f)	300 W
LPDA-A0016	Wideband LPDA Antenna	80 – 2000 MHz	6 dBi typical	Adjustable (vertical & horizontal)	2200 (L) x 2000 (W)	< 10 kg	N-Type (f)	300 W
LPDA-A0125	Wideband Wire LPDA	80 – 3000 MHz	> 6 dBi	Adjustable (vertical & horizontal)	2650 (L) x 200 (H) x 2000 (W)	< 18 kg	7/16 (f)	1000 W CW



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Antenna	Product Description	Frequency	Gain	Polarisation	Dimensions (mm)	Mass	Connector	Power
LPDA-A0030	High-Power LPDA	100 - 500 MHz	7 dBi	Adjustable (vertical & horizontal)	1920 (L) x 1700 (W)	7 kg	7/16 (f)	1 kW
LPDA-A0041	Dual-Polarised LPDA Antenna	100 - 500 MHz	> 6 dBi	Dual Linear	2100 (L) x 1600 (W)	< 13 kg	7/16 (f)	500 W
LPDA-A0054	High-Power LPDA	100- 500 MHz	7 dBi	Linear (vertical or horizontal)	1700 (L) x 1600 (W)	16 kg	7/16 (f)	1 kW
LPDA-A0094	High-Power Wire LPDA	100 - 500 MHz	6 dBi	Linear (vertical or horizontal)	2450 (L) x 200 (D) x 1800 (W)	12 kg	7/16 (f)	1000 W
LPDA-A0102	Very High-Power LPDA	100 - 500 MHz	7 dBi	Linear (vertical or horizontal)	1920 (L) x 1500 (W)	14 kg	1 5/8" (f)	5 kW CW
LPDA-A0113	High-Power LPDA	100 - 500 MHz	7 dBi	Linear (vertical or horizontal)	1820 (L) x 1700 (W)	16 kg	7/16 (f)	2 kW
LPDA-A0139	Tactical LPDA	100 - 500 MHz	> 7 dBi	Linear (vertical or horizontal)	1779 (L) x 1500 (W)	7 kg	N-Type (f)	200 W CW
LPDA-A0037	Wideband LPDA Antenna	100 - 3000 MHz	6 dBi	Adjustable (vertical & horizontal)	1960 (L) x 1600 (W)	-	7/16 (f)	500 W
LPDA-A0108	Dual-Polarised LPDA Antenna	100 - 3000 MHz	> 6 dBi	Dual linear	2100 (L) x 1600 (H) x 1600 (W)	< 18 kg	7/16 (f)	500 W
LPDA-A0110	Wideband LPDA Antenna	100 - 3000 MHz	6 dBi	Adjustable (vertical & horizontal)	1900 (L) x 1600 (W)	-	7/16 (f)	500 W
LPDA-A0153	Wideband LPDA Antenna	200 - 3000 MHz	6 dBi typical	Adjustable (vertical & horizontal)	1080 (L) x 840 (W)	< 10 kg	7/16 (f)	500 W
LPDA-A0076	Foldable Wire LPDA	225 - 450 MHz	6 dBi	Linear (vertical or horizontal)	850 (L) x 800 (H) x 150 (W)	< 2 kg	N-Type (f)	200 W
LPDA-A0080	Wideband Wire LPDA	225 - 3000 MHz	6 dBi	Linear (vertical or horizontal)	1300 (L) x 800 (H) x 150 (W)	< 2.2 kg	N-Type (f)	200 W
LPDA-A0005	Wideband Directional Antenna	250 - 3000 MHz	11 dBi	Linear (vertical or horizontal)	1703 (L) x 679 (H)	8 kg	N-Type (f)	50 W
LPDA-A0073	Wideband Log Periodic Dipole Array	400 - 1000 MHz	10 ± 1 dBi	Linear (vertical or horizontal)	1500 (L) x 400 (H)	5 kg	N-Type (f)	500 W
LPDA-A0084	High-Power LPDA Antenna	400 - 3000 MHz	> 6.5 dBi	Adjustable (vertical & horizontal)	580 (L) x 460 (W)	< 10 kg	N-Type (f)	250 W CW
LPDA-A0112	High-Power LPDA Antenna	400 - 3000 MHz	> 6.5 dBi	Adjustable (vertical & horizontal)	< 720 (L) x 470 (H) x 80 (W)	< 10 kg	N-Type (f)	250 W CW
LPDA-A0121	High-Power LPDA Antenna	400 - 6000 MHz	8 dBi	Linear	770 (L) x 450 (W)	3.7 kg	N-Type (f)	100 W
LPDA-A0141	High-Power LPDA Antenna	400 - 6000 MHz	8 dBi	Linear	770 (L) x 450 (W)	3.7 kg	N-Type (f)	150 W
LPDA-A0162	Dual Port High-Power LPDA Antenna	400 - 6000 MHz	See Data Sheet	Linear	625 (L) x 710 (H) x 160 (W)	< 5 kg	N-Type (f)	100 W CW
LPDA-A0167	Tri Port High-Power LPDA Antenna	400 - 6000 MHz	See Data Sheet	Linear	600 (L) x 880 (H) x 160 (W)	< 6 kg	N-Type (f)	100 W CW
LPDA-A0031	High-Power LPDA Antenna	500 - 1000 MHz	9 dBi	Linear (vertical or horizontal)	3185 (L) x 170 (D) x 292 (W)	4.2 kg	7/16 (f)	1000 W
LPDA-A0042	Dual-Polarised LPDA Antenna	500 - 1000 MHz	> 6 dBi	Dual	600 (L) x 450 (W)	< 7 kg	7/16 (f)	500 W
LPDA-A0103	Very High-Power LPDA	500 - 1000 MHz	> 10 dBi	Linear (vertical or horizontal)	1753 (L) x 345 (W)	7 kg	EIA 1 5/8	4000 W
LPDA-A0114	High-Power LPDA Antenna	500 - 1000 MHz	> 10 dBi	Adjustable (vertical & horizontal)	1650 (L) x 250 (D) x 320 (W)	4.6 kg	7/16 (f)	2000 W
LPDA-A0038	Wideband LPDA Antenna	500 - 3000 MHz	10 dBi	Adjustable (vertical & horizontal)	1802 (L) x 311 (W)	7 kg	7/16 (f)	500 W CW
LPDA-A0078	High-Power LPDA Antenna	500 - 3000 MHz	> 7 dBi	Adjustable (vertical & horizontal)	< 720 (L) x 470 (H) x 80 (W)	< 10 kg	7/16 (f)	1000 W CW
LPDA-A0075	Wideband Directional Antenna	800 - 2500 MHz	7 dBi	Linear (vertical or horizontal)	380 (L) x 90 (D) x 320 (W)	800 g	SMA (f)	10 W
LPDA-A0052	High-Power LPDA Antenna	800 - 3000 MHz	12 dBi	Vertical	< 720 (L) x 470 (H) x 80 (W)	4.5 kg	7/16 (f)	500 W CW
LPDA-A0067	High-Power LPDA Antenna	800 - 3000 MHz	12 dBi	Vertical	< 720 (L) x 470 (H) x 80 (W)	4.5 kg	N-Type (f)	200 W
LPDA-A0105	High-Power LPDA Antenna Marine Version	800 - 3000 MHz	12 dBi	Vertical	< 720 (L) x 470 (H) x 80 (W)	4.5 kg	7/16 (f)	500 W CW
LPDA-A0123	Wideband LPDA Antenna	800 - 6000 MHz	> 10 dBi	Linear (vertical or horizontal)	1000 (L) x 203 (D)	6 kg	7/16 (f)	300 W



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Antenna	Product Description	Frequency	Gain	Polarisation	Dimensions (mm)	Mass	Connector	Power
LPDA-A0081	Ultra-Wideband Log Periodic Antenna	800 – 8000 MHz	7 dBi	Linear (vertical or horizontal)	380 (L) x 90 (H) x 320 (W)	< 1 kg	N-Type (f)	50 W
LPDA-A0032	Wideband LPDA Antenna	1000 – 3000 MHz	9 dBi	Linear (vertical or horizontal)	700 (L) x 170 (D)	4 kg	7/16 (f)	300 W
LPDA-A0104	High-Power Wideband LPDA	1000 – 3000 MHz	9 dBi	Linear (vertical or horizontal)	700 (L) x 170 (D)	4 kg	EIA 1 5/8"	1000 W
LPDA-A0043	Dual-Polarised LPDA Antenna	1000 – 3400 MHz	> 6 dBi	Dual	250 (L) x 350 (W)	< 3 kg	7/16 (f)	125 W
LPDA-A0074	Wideband Directional Antenna	2000 – 6000 MHz	8.5 dBi	Linear (vertical or horizontal)	380 (L) x 90 (D) x 320 (W)	800 g	SMA (f)	20 W
LPDA-A0160	High-Power LPDA Antenna	2000 – 6000 MHz	> 9 dBi	Linear	105 (L) x 341 (W)	TBD	N-Type (f)	See Data Sheet



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Monitoring

Antenna	Product Description	Frequency	Gain	Polarisation	Dimensions (mm)	Mass	Connector	Power
BRKT-A026	LPDA Extension Mast	-	-	-	150 (L) x 558 (D) x 210 (W)	3 kg	-	-
BRKT-A028	Polarisation-Flipping Bracket for LPDAs	-	-	-	250 (L) x 180 (D) x 220 (W)	2.2 kg	-	-
LPMA-A0010	HF Directional Antenna	2 - 30 MHz	12.5 dBi max	Vertical	90000 (L) x 80000 (H) x 20000 (W)	100 kg	7/16 (f)	2.5 kW
LPDA-A0066	Monitoring LPDA Antenna	5 - 30 MHz	2 to 5.5 dBi	Adjustable, Vertical & horizontal	10300 (L) x 20200 (W)	200 kg	N-Type (f)	Monitoring Applications
LPMA-A0006	LPMA Antenna	30 - 420 MHz	6 to 8 dBi	Vertical	3000 (L) x 2500 (H) x 250 (W)	N/A	N-Type (f)	N/A
LPDA-A0047	Wideband LPDA Antenna	30 - 2500 MHz	7 dBi	Adjustable (vertical & horizontal)	5000 (L) x 4000 (W)	38 kg	N-Type (f)	Receive Only
LPDA-A0175	Wideband Dual Polarised LPDA Antenna	30 - 2500 MHz	6 to 7 dBi	Dual Linear	5000 (L) x 4000 (H) x 4000 (W)	70 kg	N-Type (f)	Receive Only
LPDA-A0124	Wideband Wire LPDA	80 - 3000 MHz	> 6 dBi	Adjustable (vertical & horizontal)	2650 (L) x 200 (D) x 2000 (W)	< 16 kg	N-Type (f)	Receive Only
LPDA-A0134	Wideband Maritime Log Periodic Dipole Array	100 - 1000 MHz	> 6 dBi	Linear (vertical or horizontal)	2247 (L) x 1668 (W)	15 kg	N-Type (f)	Receive Only
LPDA-A0176	Wideband Active Log Periodic Dipole Array	400 - 1000 MHz	> 6 dBi (Passive) > 15 dBi (Active)	Linear (vertical or horizontal)	1000 (L) x 510 (W)	5 kg	N-Type (f)	< 3 W



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Communication

Antenna	Product Description	Frequency	Gain	Polarisation	Dimensions (mm)	Mass	Connector	Power
LPMA-A0010	HF Directional Antenna	2 - 30 MHz	9.5 to 12.5 dBi	Vertical	90000 (L) x 20000 (H) x 80000 (W)	100 kg	7/16 (f)	2.5 kW
RA10-118-01 (RLP10-30)	10 - 30 MHz Log Periodic Dipole Array	10 - 30 MHz	9 to 10 dBi	Horizontal	8000 (L)	40 kg	PL259	1 kW
LPDA-A0180	Wideband HF Log Periodic Dipole Array	12 - 28 MHz	> 6 dBi	Dual	13000 (L) x 9770 (H) x 9770 (W)	130 kg	N-Type (f)	100 W
RA10-117-01 (RLP13-30)	13 - 30 MHz Log Periodic Dipole Array	13 - 30 MHz	6 to 7 dBi	-	6000 (L)	20 kg	PL259	1 kW