

Asset Tracking Product Line

External Antennas

HIGH PERFORMANCE PRODUCTS WILL SURVIVE HARSH ENVIRONMENTS

Laird Technologies' family of external asset tracking antennas will meet a wide array of reception needs from global cellular bands to GPS and LAN frequencies. These products provide protection against adverse environmental conditions perfect for outdoor installations.



APPLICATION	GAIN		GPS	WORLD		LAN GPS		GPS/VHF	
Antenna Specification	NA - AMPS/DCS EU - GSM/PCS	GPS	GPS	GPS	GPS	LAN	GPS	VHF	GPS
Frequency Range	AMPS : 824- 894 MHz GSM : 880 - 960 MHz DCS : 1710 - 1880 MHz PCS : 1850 - 1990 MHz	1574.42 - 1576.42 MHz	1574.42 - 1576.42 MHz	AMPS : 824- 894 MHz GSM : 880 - 960 MHz DCS : 1710 - 1880 MHz PCS : 1850 - 1990 MHz	1574.42 - 1576.42 MHz	2400-2485 MHz	1574.42 - 1576.42 MHz	137-150.05 MHz	1574.42 - 1576.42 MHz
Peak Gain	AMPS/GSM - 1.0 dBi DCS/PCS - 3.0 dBi	3.5 dBi @ Boresight	4.0 dBi @ Boresight	AMPS/GSM - 0 dBi DCS/PCS - 2.0 dBi	4.5 dBi @ Boresight	3.0 dBi	4.5 dBi @ Boresight	2.0 dBi	4.5 dBi @ Boresight
Polarization	Linear	RHCP	RHCP	Linear	RHCP	Vertical	RHCP	Vertical	RHCP
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Output VSWR	≤ 2.5:1	≤ 2:1	≤ 2:1	≤ 2.5:1	≤ 2:1	≤ 2:1	≤ 2:1	≤ 2:1	≤ 2:1
LNA Specification									
Gain (typical)		29 dB	29 dB		30 dB		29 dB		29 dB
Noise Figure (@23°C)		≤1.5 dB	≤1.5 dB		≤2.0 dB		≤1.5 dB		≤1.5 dB
Supply Voltage		3.3 ± 0.3V or 5.0 ± 0.5V	3.3 ± 0.3V or 5.0 ± 0.5V		3.0 ± 0.3V		3.3 ± 0.3V or 5.0 ± 0.5V		3.3 ± 0.3V or 5.0 ± 0.5V
Current (typical)		15 mA	25 mA		20 mA		25 mA		8mA
Input P1dB		≥-27dBm	≥-27dBm		≥-27dBm		≥-27dBm		≥-27dBm
Output VSWR		≤ 2:1	≤ 2:1		≤ 2:1		≤ 2:1		≤ 2:1
Mechanical / Environmental									
Dimension (mm)		145x131x24 mm	44x 36x14 mm		105x65x25 mm		44x 36x18 mm		Base - 76.5 mm dia x 209 mm tall w/mast
Radome Material		Black PC/ABS Blend (Xenoy 5220U)	Black ASA+PC (Luran S 778T)		Black ASA+PC (Cycloy)		Black ASA+PC (Luran S 778T)		Black ASA+PC (Geloy XP4034)
Connector		TNC, RP-TNC	SMB		TNC, RP-TNC		SMB		TNC, RP-TNC
Cable Length		6096 mm	7010 mm		7010 mm		7010 mm		3000 mm
Cable Type		RG-174	Micro Coax Cable		RG-174		RG174		RG174(GPS), RG58 (Sat)
Mounting Method		Magnetic, Adhesive	Magnetic/Adhesive		Hook & Loop, Adhesive		Magnetic/Adhesive		Magnetic/Through Hole
Operating Temperature		-40°C to +85°C	-40° C to +85°C		-40°C to +85°C		-40°C to +85°C		-40°C to +85°C
Ingress Protection		IP-66	IP-66		IP-67		IP-66		IP-66
Ordering Information									
Part Number		62105 (NA), 62102 (EU)	63003		62131		637100		63787

Customization of cable type, length, connector and mounting style possible with MOQ

For more information contact
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LWS-LC-ASSET-TRACKING-EXTERNAL 0310