



global solutions : local support...

Wireless Device Antennas

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Laird Technologies is the world-leader in the design and supply of customized performance-critical products for wireless and other advanced electronic applications. Laird Technologies partners with its customers to help find solutions for applications in various industries such as:

Aerospace

Automotive Electronics

Computers

Consumer Electronics

Data Communications

Medical Equipment

Military

Network Equipment

Telecommunications

Laird Technologies offers its customers unique product solutions, dedication to research and development and a seamless network of manufacturing and customer support facilities located all across the globe.



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Wireless device antennas provide high performance and flexibility to internal and external applications

Laird Technologies will design, develop and manufacture the optimal antenna to meet customer specifications, on schedule, without compromise. This large selection of antennas are utilized in all types of wireless devices, from industrial portable terminals to consumer grade WLAN access points. With integrated research, design, tooling, molding, assembly and accelerated life testing facilities around the world, Laird Technologies engineers will quickly and efficiently create solutions to a multitude of wireless challenges.

Model #	Reference #	Antenna Description	Gain	Size (L x W x H)	Cable	Connectors
BlackChip						
WIC2452-A	MAF95029	Tri-Band BlackChip w/ lead free solder (Tape+Reel, 2K/Reel)	4 dBi	8 x 6 x 2.5 mm	N/A	N/A
WIC2452-A-SM	MAF95032	Tri-Band BlackChip on Evaluation Board	4 dBi	8 x 6 x 2.5 mm	N/A	SMA-female edge-mount
D-Puck						
WID2452	MAF94192	Tri-Band D-Puck Internal SMT PIFA (Tape+Reel, 400/Reel, 8 Reels/Carton)	3 dBi	16 x 66 x 6 mm	N/A	N/A
WID2452-SM	CAF94377	Tri-Band D-Puck Internal SMT PIFA on Evaluation Board	3 dBi	16 x 66 x 6 mm	N/A	SMA-female Panel
Revie						
AAF95003		900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	12" Brown RG-178	MMCX
AAF95004		900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	Call	Murata GSC
Revie Pro						
AAF95035		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	12" Brown RG-178	MMCX
AAF95013		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	2.625" Brown RG-178	ММСХ
AAF95004		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	10" Brown RG-178	
MAF95017		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	8″ 1.13 dia coax	MHF
MAF95021		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	32" RG-174 coax	RP-SMA
MAF95022		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	4" Brown RG-178	MMS RA Plug
MAF95050		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	1.85" Brown RG-178	ММСХ
MAF95004		868/900/1800/1900 MHz Internal Multi-band	1.0 dBi	80 x 30 x 1.5 mm	10" Brown RG-178	SSMB



BlackChip[™]

- For Bluetooth & IEEE 802.11 devices
- Wide bandwidth, ultrawide band capable
- Tape & reel packaging

Tri-band Dpuck

- For Bluetooth & IEEE 802.11 devices
- Tape & reel packaging for high volume pickand-place manufacturing processes



Revie

- Compliments GSM module offerings
- Designed for hand-held data devices or access points



WIRELESS DEVICE ANTENNAS



NanoBlade

- For Bluetooth & IEEE 802.11 devices
- Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a, and all US, European, and Japanese WLAN applications

NanoBlue

- For Bluetooth & IEEE 802.11 devices
- Designed for easy connection to radio cards
- Patented PCB MicroSphere technology
- Ground plane incorporated into the resonator structure



NanoAnt

- Low cost, small size
- Bluetooth, 802.11, 2.4 – 2.5 GHz, 3.4 - 3.8 GHz, and 5.725 - 5.85 GHz frequency range
- Available on tape and reel



GPS Receiver Module

- 20 channel GPS receiver
- 200,000 effective correlators for fast TTFF
- Built-in WAAS/EGNOS Demodulator
- Support NMEA-0183 v2.2 data protocol and SiRF binary code

Model #	Reference #	Antenna Description	Gain	Size (L x W x H)	Cable		Connectors
NanoBlad	le						
MMCX4	CAF94504	Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna	2.8-4 dBi	2" x 0.65"	100mm, RG-178		R.A. MMCX Plug
IP04	CAF94505	Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna	2.8-4 dBi	2" x 0.65"	100mm, 1.13 mm	dia coax	MHF
IP04FB	MAF95025	Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna with Ferrite bead	2.8-4 dBi	2″ x 0.65″	100mm, 1.13 mm	dia coax	MHF
FL04	MAF95096	Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna	2.8-4 dBi	2" x 0.65"	100mm, 1.13 mm	dia coax	MHF
IP07	MAF95061	Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna with Ferrite bead	2.8-4 dBi	2" x 0.65"	100mm, 1.13 mm	dia coax	MHF
NanoBlue	•						
IP04	MAF94045	2.4 GHz Internal Embedded Antenn	a 2 dBi	1.88″ x .5″ x .032″	100mm, 1.13 mm	dia coax	MHF
IP08	MAF95060	2.4 GHz Internal Embedded Antenn		1.88" x .5" x .032"	203mm, 1.13 mm		MHF
IP02	MAF94148	2.4 GHz Internal Embedded Antenn		1.88″ x .5″ x .032″	47mm, 1.13 mm o		MHF
IP05	MAF95098	2.4 GHz Internal Embedded Antenn	a 2 dBi	1.88" x .5" x .032"	203mm, 1.13 mm	dia coax	MHF
Model #	Reference #	Antenna Description		Size (L x W x H)	Connect	ors
NanoAnt							
BT 1.0	CAF93512	Bluetooth, 802.11, 2.4 GHz Embedded Antenna - Tape and R	eel	2.5 x 2.0 x 2.0	mm	SMT	
BT 1.0	CAF94890	Bluetooth, 802.11, 2.4 GHz Embedded Antenna - Evaluation	Board	2.5 x 2.0 x 2.0	mm	SMA Fen	nale
BT 2.0	CAF96136	WLAN 802.11b/g and 802.11 - MIMO Embedded Antenna - Tape		10 x 3.0 x 4.0	mm	SMT	
BT 2.0		minio Embedded/internid Tape	and Reel			SIVIT	
	CAF94890	WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval		10 x 3.0 x 4.0	mm	SMA Fen	nale
GPS 1.0	CAF94890 CAF96136	WLAN 802.11b/g and 802.11-	uation Board	10 x 3.0 x 4.0 10 x 3.0 x 4.0			nale
GPS 1.0 GPS 1.0		WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval GPS - 1575 MHz Embedded Ante	uation Board nna -		mm	SMA Fen	
	CAF96136	WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval GPS - 1575 MHz Embedded Ante Tape and Reel GPS - 1575 MHz Embedded Ante	uation Board nna - nna -	10 x 3.0 x 4.0	mm	SMA Fen SMT	
GPS 1.0	CAF96136 CAF94890	 WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval GPS - 1575 MHz Embedded Anten Tape and Reel GPS - 1575 MHz Embedded Anten Evaluation Board 5 GHz ISM band 3/5.725 GHz 	uation Board nna - nna -	10 x 3.0 x 4.0 10 x 3.0 x 4.0	mm mm	SMA Fen SMT SMA Fen	nale
GPS 1.0 ISM5G 1.0	CAF96136 CAF94890 CAF96136	 WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval GPS - 1575 MHz Embedded Anten Tape and Reel GPS - 1575 MHz Embedded Anten Evaluation Board 5 GHz ISM band 3/5.725 GHz Embedded Antenna - Tape and R 5 GHz ISM band 3/5.725 GHz - 	uation Board nna - nna - eel	10 x 3.0 x 4.0 10 x 3.0 x 4.0 10 x 3.0 x 4.0	mm mm mm	SMA Fen SMT SMA Fen SMT	nale
GPS 1.0 ISM5G 1.0 ISM5G 1.0	CAF96136 CAF94890 CAF96136 CAF94890	 WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval GPS - 1575 MHz Embedded Anten Tape and Reel GPS - 1575 MHz Embedded Anten Evaluation Board 5 GHz ISM band 3/5.725 GHz Embedded Antenna - Tape and R 5 GHz ISM band 3/5.725 GHz - Evaluation Board Public Safety/WLAN 802.11a 4.9/5.35 GHz Embedded Anten 	uation Board nna - nna - eel	10 x 3.0 x 4.0 10 x 3.0 x 4.0 10 x 3.0 x 4.0 10 x 3.0 x 4.0	mm mm mm mm	SMA Fen SMT SMA Fen SMT SMA Fen	nale
GPS 1.0 ISM5G 1.0 ISM5G 1.0 WLAN5G 1.0	CAF96136 CAF94890 CAF96136 CAF94890 CAF96136	 WLAN 802.11b/g and 802.11- MIMO Embedded Antenna - Eval GPS - 1575 MHz Embedded Anten Tape and Reel GPS - 1575 MHz Embedded Anten Evaluation Board 5 GHz ISM band 3/5.725 GHz Embedded Antenna - Tape and R 5 GHz ISM band 3/5.725 GHz - Evaluation Board Public Safety/WLAN 802.11a 4.9/5.35 GHz - Evaluation Board 	uation Board nna - nna - eel	10 x 3.0 x 4.0 10 x 3.0 x 4.0 10 x 3.0 x 4.0 10 x 3.0 x 4.0 10 x 3.0 x 4.0	mm mm mm mm mm mm overall	SMA Fen SMT SMA Fen SMT SMA Fen SMT	nale
GPS 1.0 ISM5G 1.0 ISM5G 1.0 WLAN5G 1.0 WLAN5G 1.0	CAF96136 CAF94890 CAF96136 CAF96136 CAF96136 CAF94890	WLAN 802.11b/g and 802.11-MIMO Embedded Antenna - EvalGPS - 1575 MHz Embedded AntenTape and ReelGPS - 1575 MHz Embedded AntenEvaluation Board5 GHz ISM band 3/5.725 GHzEmbedded Antenna - Tape and R5 GHz ISM band 3/5.725 GHz -Evaluation Board9 GHz ISM band 3/5.725 GHz -Evaluation Board9 Public Safety/WLAN 802.11a4.9/5.35 GHz Embedded AntennTape and ReelPublic Safety/WLAN 802.11a4.9/5.35 GHz - Evaluation BoardDescriptionCent	uation Board nna - eel a	10 x 3.0 x 4.0 10 x 3.0 x 4.0	mm mm mm mm mm mm verall	SMA Ferr SMT SMA Ferr SMA Ferr SMA Ferr SMA Ferr	nale nale nale Coax

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More Info: 800.323.3757

Model #	Reference #	Antenna Description	Gain	Size (L)	Cable	Connectors
EXR Series						
EXR2400-BNRP-G	CAF28915	2.4 GHz Half-Wave Dipole, Knuckle Elbow, 5.5", Gray (G)	3.0 dBi	14 cm	N/A	RP-BNC
EXR2400-BNRP-B	CAF28896	2.4 GHz Half-Wave Dipole, Knuckle Elbow, 5.5", Black (B)	3.0 dBi	14 cm	N/A	RP-BNC
Heptaband	Series					
HEPTA-SM I	MAF94300	824-894, 880-960, 1575, 1710-1880, 1850-1990, 1920-2170, 2400-2500 MHz Knuckle Elbow Black	1-3 dBi	6.3″	N/A	SMA Male
HEPTA-RSM I	MAF94301	Same as above Knuckle Elbow Black	1-3 dBi	6.3″	N/A	RP-SMA
HEPTA-TN-G I	MAF94302	Same as above Knuckle Elbow Gray	1-3 dBi	6.3″	N/A	TNC
HEPTA-RTN I	MAF94303	Same as above Knuckle Elbow Black	1-3 dBi	6.3″	N/A	RP-TNC.
HEPTA-IP04 I	MAF94304	Same as above Straight/Captive, Black	1-3 dBi	6.3″	RG-178	IPEX MHF.
HEPTA-MMCX04 I	MAF94305	Same as above Straight/Captive, Black	1-3 dBi	6.3″	RG-178	MMCX
HEPTA-FL04 I	MAF94306	Same as above Straight/Captive, Black	1-3 dBi	6.3″	RG-178	Flying lead
HEPTA-TN I	MAF94307	Same as above Knuckle Elbow, Black	1-3 dBi	6.3″	N/A	TNC
HEPTA90-TN I	MAF94309	Same as above Straight/Captive, Black, Blade Angle - 90 degree	1-3 dBi	6.3"	N/A	TNC
WCP Series						
WCP2400-MMCX2	CAF28841	2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm	2.5 dBi	7 cm	2″ RG-178	MMCX jack R.A.
WCP2400-MMCX4	CAF28841	2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm	2.5 dBi	7 cm	4″ RG-178	MMCX jack R.A.
WCP2400-MMCX6	CAF28841	2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm	2.0 dBi	7 cm	6″ RG-178	MMCX jack R.A.
WCP2400-MMCX8	CAF28841	2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm	1.5 dBi	7 cm	8″ RG-178	MMCX jack R.A.
WCP2400-MMCX1	2 CAF28841	2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm	1.0 dBi	7 cm	12" RG-178	MMCXjackR.A.
WCR Series						
WCR2400-SMA	WCR2400SMA	2.4 GHz ComAer Dipole, Knuckle Elbow, 10 cm	2.0 dBi	8 cm	N/A	SMA-Male
WCR2400-SMRP	WCR2400SMRP	2.4 GHz ComAer Dipole, Knuckle Elbow, 10 cm	1.0 dBi	8 cm	N/A	RP-SMA-Male
WCR2400-FL04	MAF94015	2.4 GHz ComAer Dipole, Snap-in, Knuckle Elbow	2.0 dBi	7.6 cm (90° bent), 10.8 cm (straight)	100 mm	RG-178 Flying Lead
WCR2400-IP04	MAF94017	2.4 GHz ComAer Dipole, Snap-in, Knuckle Elbow	2.0 dBi	7.6 cm (90° bent), 10.8 cm (straight)	100 mm, 1.13mm	MHF

EXR

Connector Mount • For Bluetooth & IEEE 802.11 devices • Injection molded high performance

flexible cable antenna

NEW Heptaband

- Snap-in, captive
- Operates simultaneously in more than seven frequency bands supporting Cellular, Quadband GSM+UMTS/3G, GPS, AWS, WIFI, WLAN and WISP
- Available in knuckle swivel snap or SMA/TNC/ RPTNC connector options.

Dipole ComAer 2.4: WCP

Snap-in / Captive 802.11b/g, Bluetooth

- Fits in .25" case up to .070" thick
 Alignment notches
- Alignment notches to prevent rotation

Dipole ComAer 2.4: WCR

Snap-in 802.11b/g, Bluetooth

- 1/2 wave coaxial dipole
- Clutch allows 360° rotation
- Flexible element

WIRELESS DEVICE ANTENNAS **EXTERNAL**

WRR

Connector Mount 802.11b/g, Bluetooth

• Covers 802.11b for all US and Japanese WLAN applications

WTBP WLAN Tri-Band Blade

Snap-in / Captive 802.11a/b/g, Bluetooth

• Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

WTBR WLAN Tri-Band Blade

Snap-in / Captive 802.11a/b/g, Bluetooth

• Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications



2.4 GHz Dipole, Knuckle Elbow, Black (B) 2.4 GHz Dipole, Knuckle Elbow, Gray (G) 2.4 GHz Dipole, Snap-in, Knuckle Elbow, Black (B) 2.4 GHz Dipole, Snap-in, Knuckle Elbow, Gray (G)	1.3 dBi (2.45 GHz) 1.3 dBi (2.45 GHz) 1.3 dBi (2.45 GHz) 1.3 dBi (2.45 GHz)	10.9 cm (straight)		
 Knuckle Elbow, Black (B) 2.4 GHz Dipole, Knuckle Elbow, Gray (G) 2.4 GHz Dipole, Snap-in, Knuckle Elbow, Black (B) 2.4 GHz Dipole, Snap-in, 	(2.45 GHz) 1.3 dBi (2.45 GHz) 1.3 dBi (2.45 GHz) 1.3 dBi	10.9 cm (straight) 8.8 cm (90° bent), 10.9 cm (straight) 8.8 cm (90° bent), 10.9 cm (straight)	N/A 100 mm, 1.13mm	RP-SMA MHF
Knuckle Elbow, Gray (G) 2.4 GHz Dipole, Snap-in, Knuckle Elbow, Black (B) 2.4 GHz Dipole, Snap-in,	(2.45 GHz) 1.3 dBi (2.45 GHz) 1.3 dBi	10.9 cm (straight) 8.8 cm (90° bent), 10.9 cm (straight)	100 mm, 1.13mm	MHF
Knuckle Elbow, Black (B) 2.4 GHz Dipole, Snap-in,	(2.45 GHz) 1.3 dBi	10.9 cm (straight)		
• • • •		8.8 cm (90° bent),	100 mm, 1.13mm	MHF
	(2.45 0112)	10.9 cm (straight)		
2.4 GHz Dipole, Snap-in, Knuckle Elbow, Black (B)	1.3 dBi (2.45 GHz)	8.8 cm (90° bent), 10.9 cm (straight)	100 mm RG-178	Flying Lead
2.4 GHz Dipole, Snap-in, Knuckle Elbow, Gary (G)	1.3 dBi (2.45 GHz)	8.8 cm (90° bent), 10.9 cm (straight)	100 mm RG-178	Flying Lead
2.4 GHz Half-Wave Dipole, Knuckle Elbow, 5.5", Black	2.5 dBi	14 cm	N/A	RP-TNC
	2.4 GHz Dipole, Snap-in, Knuckle Elbow, Gary (G) 2.4 GHz Half-Wave Dipole,	2.4 GHz Dipole, Snap-in,1.3 dBiKnuckle Elbow, Gary (G)(2.45 GHz)2.4 GHz Half-Wave Dipole,2.5 dBi	2.4 GHz Dipole, Snap-in, Knuckle Elbow, Gary (G)1.3 dBi (2.45 GHz)8.8 cm (90° bent), 10.9 cm (straight)2.4 GHz Half-Wave Dipole, 2.5 dBi2.5 dBi14 cm	2.4 GHz Dipole, Snap-in, Knuckle Elbow, Gary (G)1.3 dBi8.8 cm (90° bent), 10.9 cm (straight)100 mm RG-1782.4 GHz Half-Wave Dipole, 2.5 dBi2.5 dBi14 cmN/A

de parallel to Rotation) W

WTBP2450-IP04-F	MAF94003	Tri-Band 2.4/4.9-6 GHz Blade -	2.0 dBi- 2.45 GHz,	4" (90° bent),	100 mm, 1.13mm	MHF
		Fixed elbow (F)	3.0 dBi - 4.9 GHz,	4.6" (straight)		
			3.7 dBi - 5.25 GHz,			
			3.6 dBi - 5.875 GHz			
WTBP2450-IP04-K	MAF94009	Tri-Band 2.4/4.9-6 GHz Blade -	Same as above	4" (90° bent),	100 mm,	MHF
		Knuckle elbow (K)		4.6" (straight)	1.13mm	
WTBP2450-FL04-F	MAF94023	Tri-B and 2.4/4.9-6 GHz Blade -	Same as above	4" (90° bent),	100 mm RG-178	Flying Lead
		Fixed elbow (F)		4.6" (straight)		
WTBP2450-FL04-K	MAF94025	Tri-Band 2.4/4.9-6 GHz Blade -	Same as above	4" (90° bent),	100 mm RG-178	Flying Lead
		Knuckle elbow (K)		4.6" (straight)		

WTBR Series						
(Edge parallel to Rot	ation)					
WTBR2450-IP04-K	MAF94007	Tri-Band 2.4/4.9-6 GHz Blade - Knuckle elbow (K) 3.0 dBi - 4.9 GHz, 3.6 dBi - 5.875 GHz	2.0 dBi- 2.45 GHz, 3.7 dBi - 5.25 GHz,	4" (90° bent), 4.6" (straight)	100 mm, 1.13mm	MHF
WTBR2450-IP04-F	MAF94010	Tri-Band 2.4/4.9-6 GHz Blade - Fixed elbow (F)	Same as above	4" (90° bent), 4.6" (straight)	100 mm, 1.13mm	MHF
WTBR2450-FL04-K	MAF94024	Tri-Band 2.4/4.9-6 GHz Blade - Knuckle elbow (K)	Same as above	4" (90° bent), 4.6" (straight)	100 mm RG-178	Flying Lead
WTBR2450-FL04-F	MAF94026	Tri-Band 2.4/4.9-6 GHz Blade - Fixed elbow (F)	Same as above	4" (90° bent), 4.6" (straight)	100 mm RG-178	Flying Lea

WIRELESS DEVICE ANTENNAS EXTERNAL

Model #	Reference #	Antenna Description	Gain	Size (L)	Cable	Connectors
WTC Series						
WTC2450-IP04-F	MAF94005	Tri-Band 2.4/4.9-6 GHz Cylindrical - Fixed elbow (F)	2.5 dBi- 2.45 GHz, 3.8 dBi - 4.9 GHz, 4.6 dBi - 5.25 GHz. 5.2 dBi - 5.875 GHz	4.25" (90° bent), 4.9" (straight), 6" diam.	100 mm, 1.13mm	MHF
WTC2450-IP04-K	MAF94006	Tri-Band 2.4/4.9-6 GHz Cylindrical - Knuckle elbow (K)	Same as above	Same as above	100 mm, 1.13mm	MHF
WTC2450-FL04-F	MAF94022	Tri-Band 2.4/4.9-6 GHz Cylindrical - Fixed elbow (F)	Same as above	Same as above	100 mm RG-178	Flying Lead
WTC2450-FL04-K	MAF94021	Tri-Band 2.4/4.9-6 GHz Cylindrical - Knuckle elbow (K)	Same as above	Same as above	100 mm RG-178	Flying Lead

2.5 dBi - 2.45 GHz,

3.0 dBi - 5.25 GHz,

3.4 dBi - 5.875 GHz

75.4mm (90° bent),

95.9mm (straight),

9.3mm diam.

N/A

RP-SMA

WTC WLAN Tri-Band

Snap-in / Captive 802.11a/b/g, Bluetooth

• Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

> WTS WLAN Tri-Band Small Connector Mount

802.11a/b/g, Bluetooth

• Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

WXE

Connector Mount 802.11b/g, Bluetooth

- Injection molded high performance flexible cable antenna
- 1/2 wave coaxial dipole design for improved performance



WXR

Connector Mount

802.11b/g, Bluetooth

- Injection molded high performance flexible cable
 - antenna
 - 1/2 wave coaxial dipole design for improved performance

WTS2450-IP04	MAF94016	Tri-Band 2.4/4.9-6 GHz, Snap-in, Small Diameter Knuckle elbow	Same as above	Same as above	100 mm, 1.13mm	MHF
WTS2450-FL04	MAF94035	Tri-Band 2.4/4.9-6 GHz, Snap-in, Small Diameter	Same as above	Same as above	100 mm RG-178 Knuckle elbow	Flying Lead
WXE Series	;					
WXE2400-SM	CAF29155	2.4 GHz Half-Wave Dipole, Straight, 5.5"	3.0 dBi	5.5″	N/A	SMA-Male Flush
WXE2400-SMLH	CAF28832	2.4 GHz Half-Wave Dipole, Straight, 5.5"	3.0 dBi	5.5″	N/A	SMLH-MaleFlush
WXR Series	5					
WXR1850-TN	CAF28793	1850 MHz Half-Wave Dipole, Knuckle Elbow, 7"	1.0 dBi	7"	N/A	TNC-Male
WXR2400-TN	CAF28778	2.4 GHz Half-Wave Dipole, Knuckle Elbow, 7"	1.0 dBi	7"	N/A	TNC-Male
Model #	Reference #	Antenna Description	Gain	Size (LW x H)	Cable	Connectors
Nanobox						
Nanobox-IP24	MAF94106	Tri-Band 2.4/4.9-6 GHz, desktop	1.0-4.0 dBi	24 x 6.0 x 6.0 mm	610 mm, 1.37 mm dia coax	MHF
Accessory						
Ferrite Bead (B)	for Std. Dipole	external antennas	N/A	4x25x1.5 mm	100 mm, 1.13mm	MHF
Ferrite Bead (S)	for Std. Dipole	external antennas	N/A	4x10x2 mm	100 mm, 1.13mm	MHF

WTS Series

WTS2450-RPSMA MAF94051

Tri-Band 2.4/4.9-6 GHz

Small Diameter - Knuckle elbow 3.6 dBi - 4.9 GHz,

NOTICE: Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Laird Technologies makes no representation or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Laird Technologies be responsible for damages of any nature whatsoever resulting from the use or reliance upon information or the product to which information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and Laird Technologies makes no representation or warranty, expressed or implied, that the use thereof will not infringe any patent. The data set forth in all tables, charts, graphs and figures herein are based on samples tested and are not guaranteed for all samples or applications. Such data are intended as guides and do not reflect product specifications for any particular product. NO REPRESENTATION OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

global solutions : local support...

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