# mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### **A-Base Antennas**

Smart Technology. Delivered.™



Laird's ongoing commitment to refinement in mechanical and electrical design has resulted in the most technically advanced mobile antennas on the market. Exclusive features such as stainless steel whips, housings constructed with ABS material injected molded around a solid brass insert, and gold plated push pin contacts make Laird the obvious choice for quality and long lasting value for demanding mobile radio communications.

#### FEATURES **V**ROHS

- Exclusive Laird gold-pated push-pin contact provides the most corrosion resistance and power transfer over time.
- Long tuning ferrule allows for greater freedom in frequency adjustment without trimming.
- Stainless steel corona ball stays on the rod no dissimilar metal interaction associated with competitor designs

VHF Models     AFT   118 - 896 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     ABFT   118 - 896 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A150   150 - 174 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     A150S   150 - 174 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     AB150   150 - 174 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     AB150   150 - 174 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     AB150   150 - 174 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Chrome   3.5 dBi   Closed Collinear     A4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     A84503   450 - 470 MHz   Black   3.5 dBi	Model	Frequency	Color	Gain	Radiator		
ABFT118 - 896 MHzBlackUnity0.100" Dia. 1/4 WaveA150150 - 174 MHzChromeUnity0.100" Dia. 1/4 WaveA150S150 - 174 MHzChromeUnity0.100" Dia. 1/4 WaveAB150150 - 174 MHzBlackUnity0.100" Dia. 1/4 WaveAB150150 - 174 MHzBlackUnity0.100" Dia. 1/4 WaveAB150150 - 174 MHzBlackUnity0.100" Dia. 1/4 WaveAB50450 - 470 MHzChromeUnity0.100" Dia. 1/4 WaveAB450450 - 470 MHzChrome3.5 dBiOpen CollinearA4503450 - 470 MHzChrome3.5 dBiClosed CollinearA4503450 - 470 MHzChrome3.5 dBiClosed CollinearA4503450 - 470 MHzBlack3.5 dBiClosed CollinearA84503450 - 470 MHzBlack3.5 dBiOpen CollinearA84503760 - 870 MHzBlack3 dBiOpen CollinearA863760 - 870 MHzChrome3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8063806 - 896 MHzChrome5 dBiClosed TrillinearA8063806 - 896 MH	VHF Models						
A150150 - 174 MHzChromeUnity0.100" Dia. 1/4 WaveA150S150 - 174 MHzChromeUnity0.100" Dia. 1/4 WaveAB150150 - 174 MHzBlackUnity0.100" Dia. 1/4 WaveUHF Models0.100" Dia. 1/4 WaveA450450 - 470 MHzChromeUnity0.100" Dia. 1/4 WaveA8450450 - 470 MHzChromeUnity0.100" Dia. 1/4 WaveA4503450 - 470 MHzBlackUnity0.100" Dia. 1/4 WaveA4503450 - 470 MHzChrome3.5 dBiOpen CollinearA4503450 - 470 MHzChrome3.5 dBiClosed CollinearA84503450 - 470 MHzBlack3.5 dBiOpen CollinearA84503450 - 470 MHzBlack3.5 dBiOpen CollinearA8603760 - 870 MHzBlack3 dBiOpen CollinearA8663806 - 896 MHzChrome3 dBiOpen CollinearA8063806 - 896 MHzChrome3.5 dBiClosed CollinearA8063C806 - 896 MHzChrome3.5 dBiClosed TrillinearA8063806 - 896 MHzChrome5 dBiClosed TrillinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88063806 - 896 MHz	AFT	118 - 896 MHz	Chrome	Unity	0.100" Dia. 1/4 Wave		
A150S   150 - 174 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     AB150   150 - 174 MHz   Black   Unity   0.100" Dia. 1/4 Wave     UHF Models   U   Unity   0.100" Dia. 1/4 Wave     A450   450 - 470 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     AB450   450 - 470 MHz   Chrome   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Chrome   3.5 dBi   Open Collinear     A4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Open Collinear     AB4503   760 - 870 MHz   Black   3.5 dBi   Open Collinear     AB7603 <t< td=""><td>ABFT</td><td>118 - 896 MHz</td><td>Black</td><td>Unity</td><td>0.100" Dia. 1/4 Wave</td></t<>	ABFT	118 - 896 MHz	Black	Unity	0.100" Dia. 1/4 Wave		
AB150150 - 174 MHzBlackUnity0.100" Dia. 1/4 WaveUHF ModelsA450450 - 470 MHzChromeUnity0.100" Dia. 1/4 WaveAB450450 - 470 MHzBlackUnity0.100" Dia. 1/4 WaveA4503450 - 470 MHzBlackUnity0.100" Dia. 1/4 WaveA4503450 - 470 MHzChrome3.5 dBiOpen CollinearA4503C450 - 470 MHzChrome3.5 dBiClosed CollinearAB4503450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed CollinearAB4503C450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503760 - 870 MHzChrome3 dBiOpen CollinearAB633760 - 870 MHzChrome3 dBiOpen CollinearAB063806 - 896 MHzChrome3 dBiOpen CollinearA8063806 - 896 MHzChrome3.5 dBiClosed TrillinearA8063C806 - 896 MHzChrome5 dBiClosed TrillinearA8063C806 - 896 MHzBlack5 dBiClosed TrillinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88063806 - 896 MHzBlack3 dBiOpen Collinear <td>A150</td> <td>150 - 174 MHz</td> <td>Chrome</td> <td>Unity</td> <td>0.100" Dia. 1/4 Wave</td>	A150	150 - 174 MHz	Chrome	Unity	0.100" Dia. 1/4 Wave		
UHF Models   Unity   0.100" Dia. 1/4 Wave     A450   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     AB450   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Black   Unity   0.100" Dia. 1/4 Wave     A4503   450 - 470 MHz   Chrome   3.5 dBi   Open Collinear     A4503C   450 - 470 MHz   Black   3.5 dBi   Open Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Open Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Closed Collinear     AB4503   450 - 470 MHz   Black   3.5 dBi   Open Collinear     AB4503   760 - 870 MHz   Chrome   3 dBi   Open Collinear     A8063   806 - 896 MHz <t< td=""><td>A150S</td><td>150 - 174 MHz</td><td>Chrome</td><td>Unity</td><td>0.100" Dia. 1/4 Wave</td></t<>	A150S	150 - 174 MHz	Chrome	Unity	0.100" Dia. 1/4 Wave		
A450450 - 470 MHzChromeUnity0.100" Dia. 1/4 WaveAB450450 - 470 MHzBlackUnity0.100" Dia. 1/4 WaveA4503450 - 470 MHzChrome3.5 dBiOpen CollinearA4503C450 - 470 MHzChrome3.5 dBiClosed CollinearAB4503450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503450 - 470 MHzBlack3.5 dBiClosed CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed CollinearAB4503C450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C760 - 870 MHzChrome3 dBiOpen CollinearAB7603760 - 870 MHzBlack3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8063C806 - 896 MHzChrome3.5 dBiClosed CollinearA8065CT806 - 896 MHzChrome5 dBiClosed TrillinearAB8063C806 - 896 MHzBlack5 dBiClosed TrillinearAB8063806 - 896 MHzBlack3 dBiOpen CollinearAB8063806 - 896 MHzBlack3 dBiOpen CollinearAB8063806 - 896 MHzBlack3 dBiOpen CollinearAB8063896 - 970 MHz <td>AB150</td> <td>150 - 174 MHz</td> <td>Black</td> <td>Unity</td> <td>0.100" Dia. 1/4 Wave</td>	AB150	150 - 174 MHz	Black	Unity	0.100" Dia. 1/4 Wave		
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A4503450 - 470 MHzChrome3.5 dBiOpen CollinearA4503C450 - 470 MHzChrome3.5 dBiClosed CollinearAB4503450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed Collinear700-800 MHz Antennas760 - 870 MHzChrome3 dBiOpen CollinearA87603760 - 870 MHzBlack3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8063C806 - 896 MHzChrome3.5 dBiClosed TrillinearA8065CT806 - 896 MHzChrome5 dBiClosed TrillinearA88063806 - 896 MHzBlack5 dBiClosed TrillinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88063896 - 970 MHzBlack3 dBiOpen Collinear	A450	450 - 470 MHz	Chrome	Unity	0.100" Dia. 1/4 Wave		
A4503C450 - 470 MHzChrome3.5 dBiClosed CollinearAB4503450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed Collinear700-800 MHz AntennasToo-800 MHz AntennasA7603760 - 870 MHzChrome3 dBiOpen CollinearA87603760 - 870 MHzBlack3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8963896 - 970 MHzChrome3 dBiOpen CollinearA8063C806 - 896 MHzChrome3.5 dBiClosed CollinearA8065CT806 - 896 MHzChrome5 dBiClosed TrillinearA88065CT806 - 896 MHzBlack5 dBiClosed TrillinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88963896 - 970 MHzBlack3 dBiOpen Collinear	AB450	450 - 470 MHz	Black	Unity	0.100" Dia. 1/4 Wave		
AB4503450 - 470 MHzBlack3.5 dBiOpen CollinearAB4503C450 - 470 MHzBlack3.5 dBiClosed Collinear700-800 MHz AntennasA7603760 - 870 MHzChrome3 dBiOpen CollinearAB7603760 - 870 MHzBlack3 dBiOpen CollinearAB7603760 - 870 MHzBlack3 dBiOpen CollinearA8063806 - 896 MHzChrome3 dBiOpen CollinearA8063896 - 970 MHzChrome3 dBiOpen CollinearA8063C806 - 896 MHzChrome3.5 dBiClosed CollinearA8065CT806 - 896 MHzChrome5 dBiClosed TrillinearA88065CT806 - 896 MHzBlack5 dBiClosed TrillinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88063806 - 896 MHzBlack3 dBiOpen Collinear	A4503	450 - 470 MHz	Chrome	3.5 dBi	Open Collinear		
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A8963896 - 970 MHzChrome3 dBiOpen CollinearA8063C806 - 896 MHzChrome3.5 dBiClosed CollinearA8065CT806 - 896 MHzChrome5 dBiClosed TrillinearA88065CT806 - 896 MHzBlack5 dBiClosed TrillinearA88063806 - 896 MHzBlack3 dBiOpen CollinearA88963896 - 970 MHzBlack3 dBiOpen Collinear	AB7603	760 - 870 MHz	Black	3 dBi	Open Collinear		
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AB8065CT806 - 896 MHzBlack5 dBiClosed TrillinearAB8063806 - 896 MHzBlack3 dBiOpen CollinearAB8963896 - 970 MHzBlack3 dBiOpen Collinear	A8063C	806 - 896 MHz	Chrome	3.5 dBi	Closed Collinear		
AB8063806 - 896 MHzBlack3 dBiOpen CollinearAB8963896 - 970 MHzBlack3 dBiOpen Collinear	A8065CT	806 - 896 MHz	Chrome	5 dBi	Closed Trillinear		
AB8963 896 - 970 MHz Black 3 dBi Open Collinear	AB8065CT	806 - 896 MHz	Black	5 dBi	Closed Trillinear		
	AB8063	806 - 896 MHz	Black	3 dBi	Open Collinear		
AB8063C 806 - 896 MHz Black 3.5 dBi Closed Collinear	AB8963	896 - 970 MHz	Black	3 dBi	Open Collinear		
	AB8063C	806 - 896 MHz	Black	3.5 dBi	Closed Collinear		

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## **A-Base Antennas**

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Frequency	Color	Gain	Radiator			
800 MHz Models with Spring						
806 - 896 MHz	Chrome	3 dBi	Open Collinear			
806 - 896 MHz	Chrome	3.5 dBi	Closed Collinear			
806 - 896 MHz	Chrome	5 dBi	Closed Trillinear			
806 - 896 MHz	Black	3 dBi	Open Collinear			
806 - 896 MHz	Black	3.5 dBi	Closed Collinear			
806 - 896 MHz	Black	5 dBi	Closed Trillinear			
2.4 GHz Models						
2400 - 2500 MHz	Chrome	Unity				
2400 - 2500 MHz	Black	Unity				
2400 - 2500 MHz	Chrome	3 dBi	Open Collinear			
2400 - 2500 MHz	Black	3 dBi	Open Collinear			
2400 - 2500 MHz	Chrome	5 dBi	Open Trillinear			
2400 - 2500 MHz	Black	5 dBi	Open Trillinear			
	with Spring 806 - 896 MHz 806 - 896 MHz 2400 - 2500 MHz	with Spring   806 - 896 MHz Chrome   806 - 896 MHz Chrome   806 - 896 MHz Black   2400 - 2500 MHz Chrome   2400 - 2500 MHz Black   2400 - 2500 MHz Chrome   2400 - 2500 MHz Black   2400 - 2500 MHz Black   2400 - 2500 MHz Black   2400 - 2500 MHz Chrome   2400 - 2500 MHz Chrome	with Spring   3 dBi     806 - 896 MHz   Chrome   3 dBi     806 - 896 MHz   Chrome   3.5 dBi     806 - 896 MHz   Chrome   5 dBi     806 - 896 MHz   Black   3 dBi     806 - 896 MHz   Black   3 dBi     806 - 896 MHz   Black   3.5 dBi     806 - 896 MHz   Black   5 dBi     806 - 896 MHz   Black   5 dBi     2400 - 2500 MHz   Black   Unity     2400 - 2500 MHz   Chrome   3 dBi     2400 - 2500 MHz   Chrome   3 dBi     2400 - 2500 MHz   Black   3 dBi			

ANT-DS-A-Base 0516

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