

# KuL DUCKIE® ANTENNAS

## EXACTUNE™ HIGH PERFORMANCE KULDUCKIE® ANTENNAS

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The Larsen KuL DUCKIE® (KD) is recognized around the world as the ultimate in high-performance portable antennas! Each antenna is constructed of superior conductive materials and hand-tuned to the frequency specified by the customer. Each portable antenna is tuned to frequency using a mechanical radio body simulator to give the most accurate frequency response. As most portable antennas are ground plane dependent, it is important to specify the application the antennas will be used on to ensure accurate factory tuning.

KDs feature a rugged coating of Polyolefin and PVC to assure superior performance under the most demanding conditions.

“Hand-built”, high-performance KDs deliver greater transmit range and long life due to these unique features:

- Copper / brass radiators
- Exclusive ExacTune™ process individually scope tunes each antenna to the exact frequency specified
- 2.0:1 or less VSWR
- Fully soldered (not crimped) construction
- Fully sealed, Plastisol coated
- Injection molded housings
- Silver plated contact pins
- Larsen designed “super BNC” uses a Teflon™ insulator, silver plated pin and double spring design to prevent connector failure

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## KuL DUCKIE® FREQUENCY COLOR CODE

VHF FREQUENCY	COLOR	UHF FREQUENCY	COLOR
136 - 140 MHz	Blue	406 - 420 MHz	Black
142 - 149 MHz	Green	450 - 469 MHz	Black
150 - 160 MHz	Yellow	470 - 512 MHz	Black
162 - 174 MHz	Red	150 / 450 MHz	Blue

NOTE: Antennas are not to scale

## 1 800 ANTENNA

# KuL DUCKIE® ANTENNAS



## 1/4 WAVE WHIP

- Attractive and durable PVC finish
- Brass wound cable radiator for conductivity, flexibility and strength
- Fully soldered, not just crimped, for best electrical performance and long life
- Silver-plated contact pin or durable brass connection provides excellent electrical contact and long life

Available for UHF / 800 / 900  
Approximate length: 6"



## HELICAL

- Attractive and durable PVC finish
- Special low-loss heat-shrink Polyolefin tubing separates radiating element from outer PVC coating to minimize dielectric loss
- Highly efficient .50 steel and copper-plated radiating element means improved conductivity and performance
- Soldered electrical connection is covered with a copper jacket then flooded with solder to give double protection at the point of maximum stress
- Silver-plated contact pin or durable brass connection provides excellent electrical contact and long life

Available for VHF / UHF  
Approx length: VHF - 8"  
UHF - 3"



## HQ

- Design pioneered at Larsen
- HQ delivers a noticeable improvement in range and sound clarity
- Brass wound cable radiator for conductivity, flexibility and strength
- Attractive and durable PVC finish
- Low-loss Polyolefin protects the helix from the higher loss PVC jacket material
- Highly efficient .50 steel and copper-plated radiating element means improved conductivity and performance
- Soldered electrical connection is covered with a copper jacket then flooded with solder to give double protection at the point of maximum stress
- Silver-plated contact pin or durable brass connection provides excellent electrical contact and long life

Available for VHF  
Approx. length: 9 1/2"

# KuL DUCKIE® ANTENNAS



## HALF WAVE VHF

- Collapsible chrome radiating element: internally shorted collapsing joints provide good performance and attractive, durable finish
- Sturdy polycarbonate transformer housing coil cannot flex and change frequency
- Superior air wound impedance transformer provides higher Q and deeper resonance
- Silver-plated contact pin or durable brass connection provides excellent electrical contact and long life

Available for VHF 144 MHz min  
Approx. length: 6" collapsed  
44 1/2" fully extended



## HALF WAVE UHF

- Brass wound cable radiator for conductivity, flexibility and strength
- Attractive and durable PVC finish
- Fully soldered, not just crimped, for best electrical performance and long life
- Sturdy polycarbonate transformer housing coil cannot flex and change frequency
- Superior air wound impedance transformer provides higher Q and deeper resonance
- Silver-plated contact pin or durable brass connection provides excellent electrical contact and long life

Available for UHF  
Approx. length: 16"



## Q-1/4 WAVE

- Flexible 17-7 stainless steel rod provides simplicity and extra durability
- Fully soldered connection for durability and electrical performance
- BNC, TNC or PL-259 connectors only

Approx. length: 4 3/4" to 20"

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# KuL DUCKIE® ANTENNAS

## KuL DUCKIE® SELECTION GUIDE

All factory tuned KuL DUCKIES® are ExacTuned to your specified frequency. To order, replace the FREQ, UHF or VHF designation with your desired center frequency.

PART NUMBER	CONNECTOR	STYLE	ELECTRICAL TYPE	FREQUENCY BAND	APPROX LENGTH
<b>1/4-32x3/16</b>					
KD2FREQHQ1	1/4-32 x 3/16	HQ	Helical 1/4 Wave	136 - 140 MHz	9 1/2"
KD2FREQHQ2	1/4-32 x 3/16	HQ	Helical 1/4 Wave	142 - 149 MHz	9 1/2"
KD2FREQHQ3	1/4-32 x 3/16	HQ	Helical 1/4 Wave	150 - 161 MHz	9 1/2"
KD2FREQHQ4	1/4-32 x 3/16	HQ	Helical 1/4 Wave	162 - 174 MHz	9 1/2"
KD12(freq)	1/4-32 x 3/16	1/4 Wave	1/4 Wave	406 - 512 MHz	6"
<b>TNC MALE</b>					
KD3FREQHQ1	TNC Male	HQ	Helical 1/4 Wave	136 - 140 MHz	9 1/2"
KD3FREQHQ2	TNC Male	HQ	Helical 1/4 Wave	142 - 149 MHz	9 1/2"
KD3FREQHQ3	TNC Male	HQ	Helical 1/4 Wave	150 - 161 MHz	9 1/2"
KD3FREQHQ4	TNC Male	HQ	Helical 1/4 Wave	162 - 174 MHz	9 1/2"
KD13(freq)	TNC Male	1/4 Wave	1/4 Wave	406 - 960 MHz	6"
TNCQ	TNC Male	Q	1/4 Wave	136 - 512 MHz	Varies by freq
<b>BNC MALE</b>					
KD4UHF	BNC Male	Helical	1/4 Wave	406 - 512 MHz	3"
KD4VHF1	BNC Male	Helical	1/4 Wave	136 - 141 MHz	8"
KD4VHF2	BNC Male	Helical	1/4 Wave	142 - 149 MHz	8"
KD4VHF3	BNC Male	Helical	1/4 Wave	150 - 161 MHz	8"
KD4VHF4	BNC Male	Helical	1/4 Wave	162 - 174 MHz	8"
KD4FREQHQ1	BNC Male	HQ	Helical 1/4 Wave	136 - 140 MHz	9 1/2"
KD4FREQHQ2	BNC Male	HQ	Helical 1/4 Wave	142 - 149 MHz	9 1/2"
KD4FREQHQ3	BNC Male	HQ	Helical 1/4 Wave	150 - 161 MHz	9 1/2"
KD4FREQHQ4	BNC Male	HQ	Helical 1/4 Wave	162 - 174 MHz	9 1/2"
KD4150T	BNC Male	Helical	1/4 Wave	130 - 180 MHz	Varies by freq
KD14(freq)	BNC Male	1/4 Wave	1/4 Wave	406 - 960 MHz	6"
KD14FREQHW1	BNC Male	HW UHF	1/2 Wave	315 - 409 MHz	16 1/2"
KD14FREQHW2	BNC Male	HW UHF	1/2 Wave	416 - 504 MHz	16 1/2"
KD142MHW	BNC Male	HW VHF	1/2 Wave	144 - 173 MHz	11 to 44 1/2"
BNCQ	BNC Male	Q-1/4	1/4 Wave	136 - 512 MHz	Varies by freq

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PART NUMBER	CONNECTOR	STYLE	ELECTRICAL TYPE	FREQUENCY BAND	APPROX LENGTH
<b>10-24UNC2A</b>					
KD15-98	10-24UNC2A	Helical	1/4 Wave	98 MHz	12"
<b>5/16-32Xx3/8</b>					
KD7FREQHQ1	5/16- 32 x 3/8	HQ	1/4 Wave	136 - 140 MHz	9 1/2"
KD7FREQHQ2	5/16- 32 x 3/8	HQ	1/4 Wave	142 - 149 MHz	9 1/2"
KD7FREQHQ3	5/16- 32 x 3/8	HQ	1/4 Wave	150 - 161 MHz	9 1/2"
KD7FREQHQ4	5/16- 32 x 3/8	HQ	1/4 Wave	162 - 174 MHz	9 1/2"
<b>PL-259</b>					
KD9FREQHQ1	PL259 Male	HQ	1/4 Wave	136 - 140 MHz	9 1/2"
KD9FREQHQ2	PL259 Male	HQ	1/4 Wave	142 - 149 MHz	9 1/2"
KD9FREQHQ3	PL259 Male	HQ	1/4 Wave	150 - 161 MHz	9 1/2"
KD9FREQHQ4	PL259 Male	HQ	1/4 Wave	162 - 174 MHz	9 1/2"
KD19(freq)	PL259 Male	1/4 Wave	1/4 Wave	406 - 512 MHz	6"
PQ	PL259 Male	Q	1/4 Wave	144 - 512 MHz	Varies by freq
<b>5/16-24 THDS Female</b>					
KD22VHF1	5/16-24 THDS	Helical	1/4 Wave	136 - 141 MHz	8"
KD22VHF2	5/16-24 THDS	Helical	1/4 Wave	142 - 149 MHz	8"
KD22VHF3	5/16-24 THDS	Helical	1/4 Wave	150 - 161 MHz	8"
KD22VHF4	5/16-24 THDS	Helical	1/4 Wave	162 - 174 MHz	8"
KD22FREQHQ1	5/16-24 THDS	HQ	Helical 1/4 Wave	136 - 140 MHz	9 1/2"
KD22FREQHQ2	5/16-24 THDS	HQ	Helical 1/4 Wave	142 - 149 MHz	9 1/2"
KD22FREQHQ3	5/16-24 THDS	HQ	Helical 1/4 Wave	150 - 161 MHz	9 1/2"
KD22FREQHQ4	5/16-24 THDS	HQ	Helical 1/4 Wave	162 - 174 MHz	9 1/2"

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