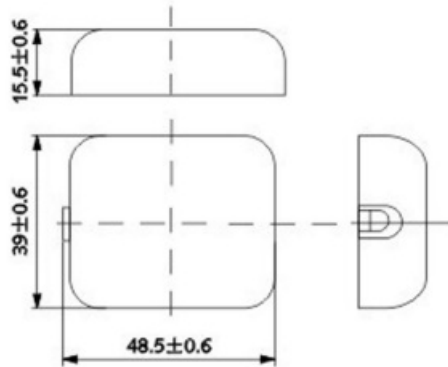


OnTeck[®]
Car Antenna & Accessories

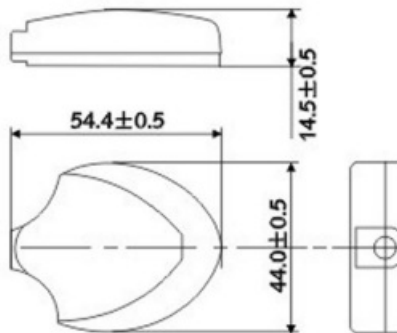
#13-0101 GPS Active Antenna

Weight : $\leq 100\text{g}$
 Size : $48.5 \times 39 \times 15.5(\text{mm})$
 Housing Color : Black
 Gain : 27dB Typical
 Noise Figure : $<1.5\text{dB}$
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA Max



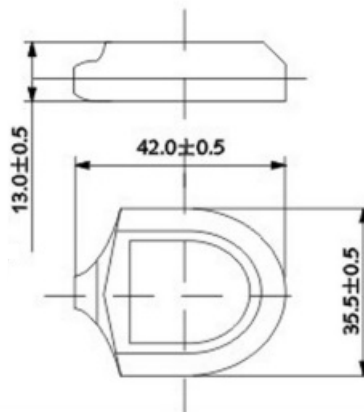
#13-0102 GPS Active Antenna

Weight : $\leq 100\text{g}$
 Size : $54.5 \times 44 \times 14.5(\text{mm})$
 Housing Color : Black
 Gain : 27dB Typical
 Noise Figure : $<1.5\text{dB}$
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA Max



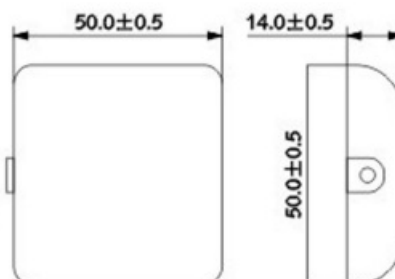
#13-0103 GPS Active Antenna

Weight : $\leq 90\text{g}$
 Size : $42 \times 35.5 \times 13(\text{mm})$
 Housing Color : Black
 Gain : 27dB Typical
 Noise Figure : $<1.5\text{dB}$
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA Max



#13-0104 GPS Active Antenna

Weight : $\leq 120\text{g}$
 Size : $50 \times 50 \times 14(\text{mm})$
 Housing Color : Black
 Gain : 27dB/38dB Typical
 Noise Figure : $<1.5\text{dB}$
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA/20mA Max



#13-0105 GPS Active Antenna

Patch Antenna Size : 25×25×4(mm)/18×18×4(mm)
17×17×4(mm)/15×15×4(mm)

Gain : 27dB Typical

Noise Figure : <1.5dB

Input Voltage : 2.7V/3V/3.3V/5V/3-5V

V.S.W.R : 2.0 Max

DC current : 12mA Max



#13-0106 Internal Antenna

Patch Antenna Size : 25×25×4(mm)/25×25×2(mm)

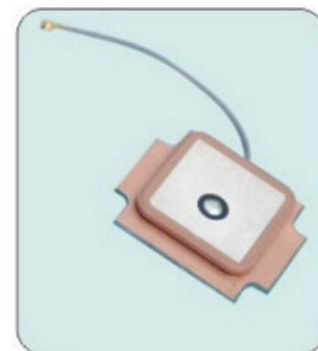
Gain : 22dB Typical

Noise Figure : <1.5dB

Input Voltage : 2.7V/3V/3.3V/5V/3-5V

V.S.W.R : 2.0 Max

DC current : 15mA Typical



#13-0107 Internal Antenna with Export Connector

Patch Antenna Size : 25×25×4(mm)/25×25×2(mm)

Gain : 22dB Typical

Noise Figure : <1.5dB

Input Voltage : 2.7V/3V/3.3V/5V/3-5V

V.S.W.R : 2.0 Max

DC current : 15mA Typical



#13-0108 Internal Antenna

Patch Antenna Size : 25×25×4(mm)/25×25×2(mm)

Gain : 22dB Typical

Noise Figure : <1.5dB

Input Voltage : 2.7V/3V/3.3V/5V/3-5V

V.S.W.R : 2.0 Max

DC current : 15mA Typical



#13-0109 GSM/GPS COMBINED ANTENNA

GSM

Work Frequency : 890-960MHz,1710-1880MHz
 Band Width : 70MHz@900MHz,170MHz@1800MHz
 Gain : 2.0dBi Max@900MHz,2.0dBi Max@1800MHz

GPS

Weight : 160g
 Size : 80×13(mm)
 Housing Color : Black
 Gain : 27dB Typical
 Noise Figure : <1.5dB
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA Max

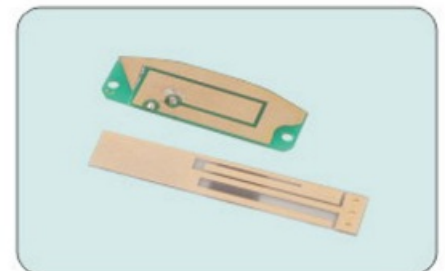


#13-0110 GSM Antenna

Work Frequency

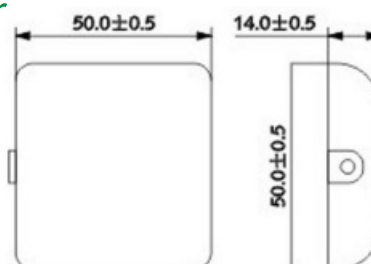
AMPS : 824MHz-894MHz
 GSM900 : 890MHz-960MHz
 GSM1800 : 1710MHz-1880MHz
 GSM1900 : 1850MHz-1990MHz
 UMTS : 1900MHz-2170MHz

Azimuth : Omni-directional
 Polarization : Linear Polarization



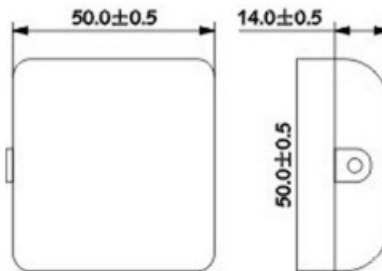
#13-0111 Low Noise Amplifier

Housing Color : Black
 Gain : 27dB Typical
 Noise Figure : <1.5dB
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA Max



#13-0112 GPS Transmit Antenna

Housing Color : Black
 Gain : 27dB Typical
 Noise Figure : <1.5dB
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 12mA Max



#13-0113 Power Distributor

Insert Loss : 3.3dB(1/2 way), 6.3dB(1/4 way)
 Working Frequency : 800~2500MHz
 V.S.W.R. : 1.5
 INSULATION : >20dB
 Impedance : 50Ω
 Amplitude Difference : ≤ ±5
 Connector : SMA(Female)
 Working Temperature : -25~+55
 Working humidity : 5-95%



DAB Antenna

#13-0114 DAB Antenna

Center Frequency : 2326MHz 1473MHz
 Weight : ≤100g
 Size : 50×50×14(mm)
 Housing Color : Black
 Gain : 27 dB Typical
 Noise Figure : < 1.5dB
 Input Voltage : 2.7V/3V/3.3V/5V/3-5V
 V.S.W.R : 2.0 Max
 DC current : 20mA Max



Sirfstar II GPS Module&Receiver Technical Characteristics

Features

12 Channels
 Standard NMEA-0183
 L1 1575.42MHz C/A code
 Hot Start time : 8 Seconds (Average)
 Warm Start time : 38 Seconds (Average)
 Cold Start time : 48 Seconds (Average)
 Reacquisition time : 0.1 Seconds (Average)
 Update Rate : 1 Time/Seconds
 Datum : WGS-84

Position Accuracy

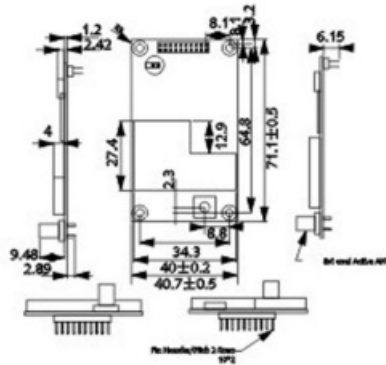
Position : 10m 90% no SA
 Speed : 0.1m/s no SA

DGPS Accuracy

Position : 1-5m (Typical)
 Speed : 0.05m/s (Typical)

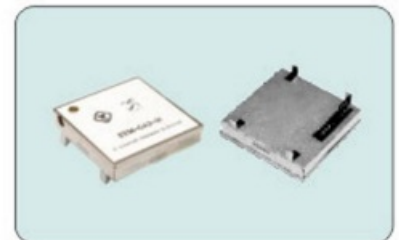
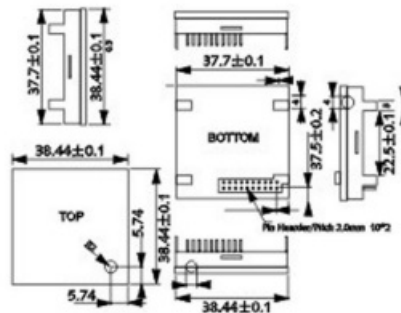
#13-0115 GPS Module

Chip : Sirfstar2/lp
 GPS output : GPRMC
 Baud Rate : 4800
 Connector : MCX
 Voltage : +5v
 Dimension : 70×40×4mm



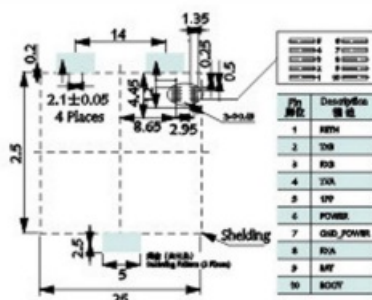
#13-0116 GPS Module

Chip : Sirfstar2/lp
 GPS output : NMEA-0183
 Baud Rate : 4800
 Connector : SMA or other
 Voltage : +3.3v
 Dimension : 38×38×8mm



#13-0117 GPS Module

Chip : Sirfstar2/lp
 GPS output : NMEA-0183
 Baud Rate : 4800
 Connector : SMA or other
 Voltage : +3.3v
 Dimension : 25×25×6mm

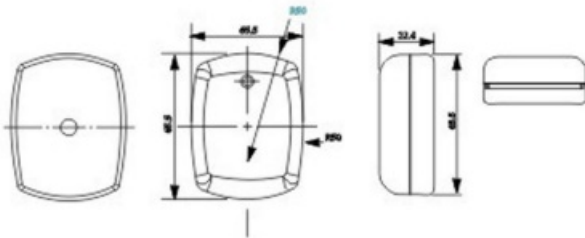


Sirfstar II GPS Receiver

#13-0118 GPS Receiver



Dimensions (mm)



#13-0119 GPS Receiver



#13-0120 GPS Receiver



#13-0121 GPS Receiver

Sirfstar III GPS Module & Receiver



Technical Characteristics

Features

20 Channels
 Standard NMEA-0183
 L1 1575.42MHz C/A code
 Hot Start time : 1 Seconds (Average, Open sky)
 Cold Start time : 45 Seconds (Average, Open sky)
 Reacquisition time : 0.1 Seconds (Average)
 Update Rate : 1 Time/Seconds
 Datum : WGS-84

Position Accuracy

Position : 10m 90% no SA
 Speed : 0.1m/s no SA

DGPS Accuracy

Position : 1-5m (Typical)
 Speed : 0.05m/s (Typical)

Danamic Character

Altitude : 6000ft (MAX)
 Speed : 515m/s (MAX)
 Acceleration : 4g (MAX)

Power

Voltage : $3.3 \pm 10\%$
 DC Current : $\leq 70\text{mA}$

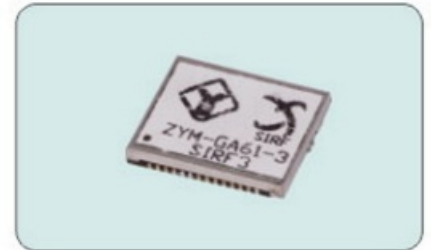
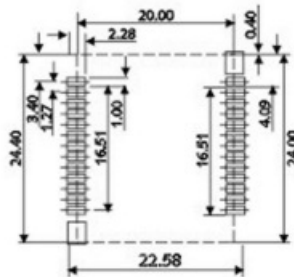
Environment

Working Temperature : $-40 \sim +85^\circ\text{C}$
 Storage Temperature : $-40 \sim +85^\circ\text{C}$
 Humidity : 95%

SirfstarIII GPS Module

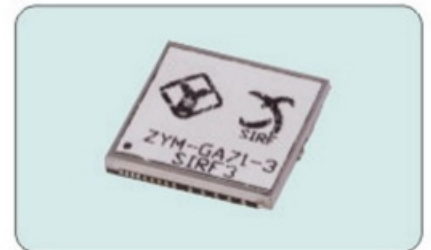
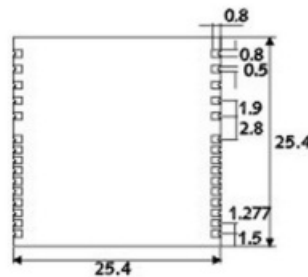
#13-0122 GPS Module

Chip : Sirfstar III
 GPS output : NMEA-0183
 Baud Rate : 4800/9600
 Voltage : 3.3v
 Dimension : 20×24×3mm



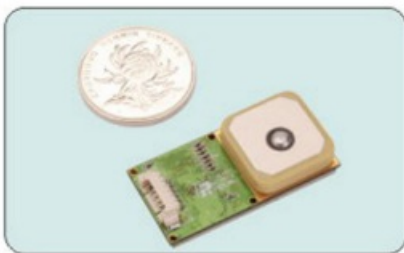
#13-0123 GPS Module

Chip : Sirfstar III
 GPS output : NMEA-0183
 Baud Rate : 4800/9600
 Voltage : 3.3v
 Dimension : 25.4×25.4×3mm

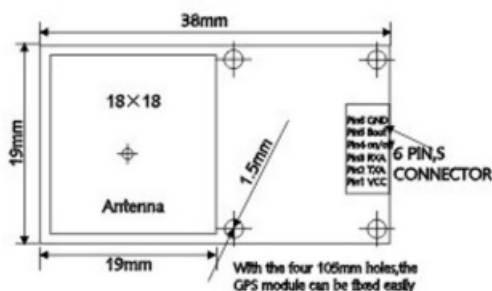


SirfstarIII GPS Receiver

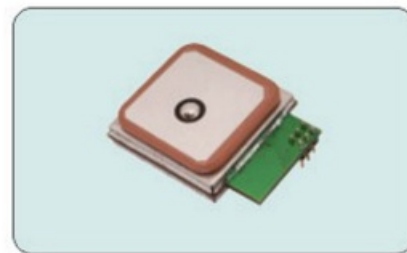
#13-0124 GPS Receiver



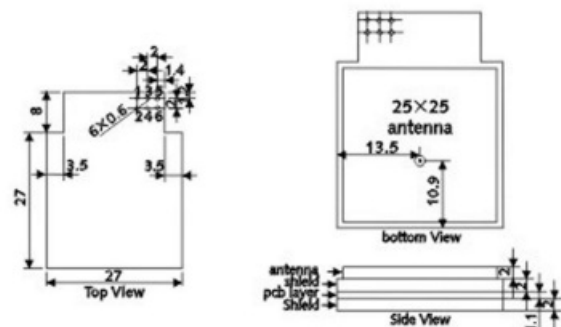
Chip : Sirfstar III
 GPS output : NMEA-0183
 Baud Rate : 4800/9600
 Voltage : 3.3v
 Dimension : 38×19×8mm



#13-0125 GPS Receiver



Chip : Sirfstar III
 GPS output : NMEA-0183
 Baud Rate : 4800/9600
 Voltage : 3.3v-5v
 Dimension : 35×27×6mm



#13-0126 Gps Active Antenna



#13-0127 Gps Active Antenna



#13-0128 Gps Active Antenna



#13-0129 Gps Active Antenna



#13-0130 Gps Active Antenna

Frequency: GPS 1575MHz ±3MHz
 Band Width ±5 MHz
 Impedance: 50ohms
 SWI: 1.5:1
 Gain: >3dBi
 Cable: RG-174

Frequency: VHF 174-230MHz
 UHF 470-862MHz
 Impedance: 75 ohms
 SWI: <2:1
 Gain: 20dbi

Frequency: 76-110MHz(FM)
 525-1700KHz(AM)
 Gain: +20db(FM)
 +5db(AM)
 Impedance: 75 ohms
 Cable: 3C-2V

Voltage:10-14V
 Cable length: 8"
 Dia of installation hole: Φ15mm
 Fit VW, GM, Audi, BWM, Peugeot



#13-0131 Gps Active Antenna

Frequency: GPS 1575MHz ±3MHz
 Band Width ±5 MHz
 Impedance: 50ohms
 SWI: 1.5:1
 Gain: >3dBi
 Cable: RG-174

Frequency: GSM 890-960MHz
 1710-1990MHz
 Impedance: 50 ohms
 SWI: <2
 Gain: 2.15dbi
 Cable: RG-174

Frequency: 76-110MHz(FM)
 525-1700KHz(AM)
 Gain: +20db(FM)
 +25db(AM)
 Impedance: 75 ohms
 Cable: 3C-2V

Voltage:10-14V
 Cable length: 8"
 Dia of installation hole: Φ15mm
 Fit VW, GM, Audi, BWM, Peugeot



#13-0132 Gps Active Antenna

Frequency: GPS 1575MHz ±3MHz
 Band Width ±5 MHz
 Impedance: 50ohms
 SWI: 1.5:1
 Gain: >3dBi
 Cable: RG-174

Frequency: 76-110MHz(FM)
 525-1700KHz(AM)
 Gain: +20db(FM)
 +25db(AM)
 Impedance: 75 ohms
 Cable: 3C-2V

Voltage:10-14V
 Cable length: 8"
 Dia of installation hole: Φ15mm
 Fit VW, GM, Audi, BWM, Peugeot



#13-0133 Gps Active Antenna

Frequency: GPS 1575MHz ±3MHz
 Band Width ±5 MHz
 Impedance: 50ohms
 SWI: 1.5:1
 Gain: >3dBi
 Cable: RG-174

Frequency: 76-110MHz(FM)
 525-1700KHz(AM)
 Gain: +20db(FM)
 +25db(AM)
 Impedance: 75 ohms
 Cable: 3C-2V

Voltage:10-14V
 Cable length: 8"
 Dia of installation hole: Φ15mm
 Fit VW, GM, Audi, BWM, Peugeot



#13-0134 FM/AM Antenna

Frequency: FM 76-110MHz
 AM 525-1700KHz
 Gain: +5db(FM)
 +2db(AM)
 Impedance: 75 ohms
 Voltage:10-14V
 Cable length:8"
 Dia of installation hole: Φ15mm
 Fit VW GM AUDI



#13-0135 FM/AM Antenna

Frequency: FM 76-110MHz
 AM 525-1700KHz
 Gain: +5db(FM)
 +2db(AM)
 Impedance: 75 ohms
 Voltage:10-14V
 Cable length:8"
 Dia of installation hole: Φ15mm
 Fit VW GM AUDI



#13-3001 CB Antenna

Frequency:28~30MHz
 Gain: 3dbi
 Impedance:50ohms
 SWI: 1.5:1(adjustable)
 Power:150W(PEP)
 Mast length:27.5"
 Cable length:157"
 Whip:Steel/Carbon
 Output connector: N
 Fit all car



#13-3002 CB Antenna

Frequency:144~147MHz
 Gain:3dbi
 Impedance:50ohms
 SWI:1.5:1(adjustable)
 Power:100W(PEP)
 Mast length:31"
 Cable length:157"
 Whip:Steel/Carbon
 Output connector: N
 Fit all car



#13-3003 CB Antenna

Frequency:26.7~27.4MHz
 Gain: 3dbi
 Impedance: 50ohms
 SWI: 1.5:1 (adjustable)
 Power: 150W(PEP)
 Mast length: 33"
 Cable length: 157"
 Whip: Steel/Carbon
 Output connector: N
 Fit all car



#13-3004 CB Antenna

Frequency:144~147MHz
 Gain: 3dbi
 Impedance:50ohms
 SWI: 1.5:1(adjustable)
 Power:150W(PEP)
 Mast length:33"
 Cable length:157"
 Whip:Steel/Carbon
 Output connector: N
 Fit all car



#13-3005 CB Antenna

Frequency: 144~147MHz
 Gain:3dbi
 Impedance: 50ohms
 SWI: 1.5:1 (adjustable)
 Power: 150W(PEP)
 Mast length: 31"
 Cable length:157"
 Whip: Steel/Carbon
 Output connector: N
 Fit all car





- #13-4001**
- Fully automatic fender mount
 - Center coil-loaded heavy duty spring
 - 5 sections, replaceable mast
 - Extend to 39"
 - Detachable cable 55"
 - For Mercedes-Benz serie W124
 - 200/200d/250D/260E/300D/300E



- #13-4002**
- Fully automatic fender mount
 - Center coil-loaded heavy duty spring
 - 5 sections, replaceable mast
 - Extend to 39"
 - Detachable cable 55"
 - For Mercedes-Benz serie W201
 - 190/190D/190D/2.5/190E2.3/190E 2.6/190E 2.3-16



- #13-4003**
- Fully automatic fender mount
 - Center coil-loaded heavy duty spring
 - 5 section, replaceable mast
 - Large mounting head
 - Extend to 39"
 - Detachable cable 55"



- BRT 812**
- Fully automatic fender mount
 - Center coil-loaded heavy duty spring
 - 5 sections, replaceable mast
 - Extend to 39"
 - Detachable cable 55"
 - For OPELASTRA



- BRT 813**
- Fully automatic fender mount
 - Center coil-loaded heavy duty spring
 - 5 sections, replaceable mast
 - Extend to 39"
 - Detachable cable 55"
 - For Mercedes-Benz serie S 124



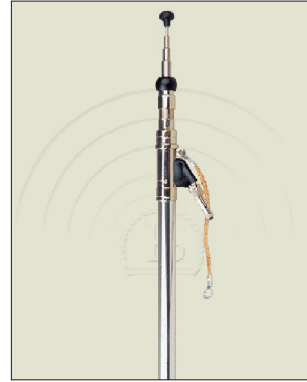
- BRT 804**
- Fully automatic fender mount
 - Center coil-loaded heavy duty spring
 - 5 sections, replaceable mast
 - Large mounting head
 - Extend to 39"
 - Detachable cable 55"
 - Replaceable mast
 - Replaceable Cable



- #13-4101**
- The aerial head should be chosen
 - Frequency:
AM 535KHz ~ 1605KHz,
FM 88MHz ~ 108MHz
 - 4 sections
 - Extends to 331/2"
 - Cable: 181"



- #13-4102**
- The aerial head should be chosen
 - Frequency:
AM 535KHz ~ 1605KHz,
FM 88MHz ~ 108MHz
 - 4 sections
 - Extends to 331/2"
 - Cable: 181"



- #13-4103**
- The aerial head should be chosen
 - Frequency:
AM 535KHz ~ 1605KHz,
FM 88MHz ~ 108MHz
 - 4 sections
 - Extends to 331/2"
 - Cable: 181"



- #13-4104**
- The aerial head should be chosen
 - Frequency:
AM 535KHz ~ 1605KHz,
FM 88MHz ~ 108MHz
 - 4 sections
 - Extends to 331/2"
 - Cable: 181"



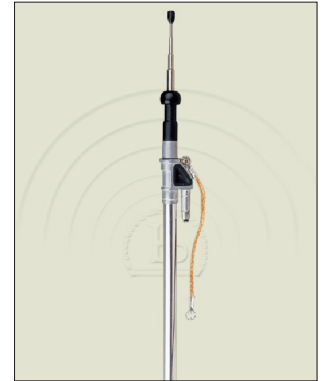
- #13-4105**
- The aerial head should be chosen
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



- #13-4106**
- The aerial head should be chosen
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



- #13-4107**
- The aerial head should be chosen
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



- #13-4108**
- The aerial head should be chosen
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



- #13-4109**
- Fits VW Golf-III. (08/'91-up)
 - 68° base
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



- #13-4110**
- Fits VW Golf-III (08/'91-up)
 - 68° base
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



- #13-4111**
- Fits VW Golf-III (08/'91-up)
 - 68° base
 - 4 sections
 - Extends to 331/2"
 - Cable: 54"



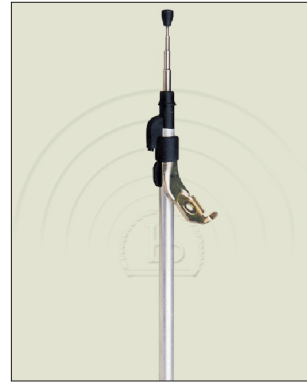
- #13-4112**
- Fits TOYOTA LEXCEN
VN, VP, VR, VS (08/'88-08/'97)
 - Lockdown guard mount
 - 4 sections
 - Extends to 36"



- #13-4113**
- Fits TOYOTA LEXCEN VN, VP, VR, VS (08/'88-08/'97)
 - Lockdown guard mount
 - 4 sections
 - Extends to 36"
 - Cable: 54"



- #13-4114**
- Fits MERCEDES BENZS124
 - 61° base
 - Fender mount
 - Frequency: AM 535KHz ~ 1605KHz, FM 88MHz ~ 108MHz
 - 4 sections
 - Extends to 33 1/2"
 - Cable: 181"



- #13-4115**
- Fits NISSAN Pick ('98-up)
 - 4 sections
 - Extends to 33 1/2"
 - Cable: 181"
 - Left hand side



- #13-4116**
- Fits NISSAN Pick ('98-up)
 - 4 sections
 - Extends to 33 1/2"
 - Cable: 181"
 - Right hand side



- #13-4117**
- Fits DATSUN /NISSAN BIG-M
 - 4 sections
 - Extends to 37"
 - Cable: 28"
 - Right hand side



- #13-4118**
- Fits OPEL VECTRA
 - 4 sections
 - Extends to 36"
 - Cable: 54"



- #13-4119**
- Fits ISUZU TFR, HOLDEN RODEO TF (08/'88-10/'96)
 - 4 sections
 - Extends to 36"
 - Cable: 54"



- #13-4120**
- Fits ALFA ROMEO, FIAT, SEAT and VW cars
 - Narrow fender mount
 - 4 sections
 - 15° fixed angle
 - Extends to 36"
 - Cable: 54"



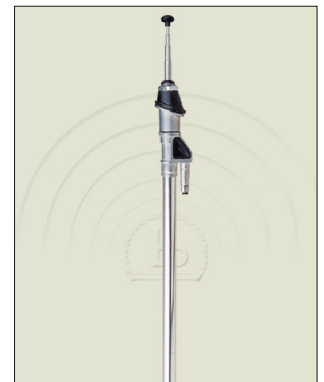
- #13-4121**
- Fits VW Passat (04/'88-10/'96) Passat Variant (06/'88-10/'93)
 - Narrow fender mount
 - 4 sections
 - 59° fixed angle
 - Extends to 36"
 - Cable: 54"



- #13-4122**
- Fits TOYOTA CamryLE Wgn ('87-'88), COROLLA sedan ('81-'83), Tercel ('83-'87)
 - 4 sections
 - 46° fixed angle
 - Extends to 36"
 - Cable: 54"



- #13-4123**
- Fits VW Bus/Transporter T4 (09/'90-up)
 - 4 sections
 - 38° fixed angle
 - Extends to 36"
 - Cable: 54"



- #13-41124**
- Fits FORD: Sierra Berline, Coupe, Break
 - 4 sections 32° fixed angle
 - Extends to 36"
 - Cable: 54"



#13-4301
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4302
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4303
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4304
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4305
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 15"



#13-4306
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base



#13-4307
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4308
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4309
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4310
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base 180° adjustable angle
 ● Extends to 16"



#13-4311
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Extends to 15"
 ● Cable: 54"



#13-4312
 ● 1 section flexible rubber mast
 ● Universal gutter mount
 ● Adjustable by thumbscrew
 ● Extends to 15"



#13-4313
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● 0° ~30° mounting angle
 ● Extends to 16 1/2"
 ● Cable: 54"



#13-4314
 ● Universal front or rear fender mount
 ● 1 section flexible rubber mast
 ● Extends to 16 1/2"
 ● Cable: 54"



#13-4315
 ● 1 section flexible rubber mast
 ● Universal gutter mount
 ● Adjustable by thumb screw
 ● Extends to 15"
 ● Cable: 72"



#13-4316
 ● Universal gutter mount
 ● 1 section flexible rubber mast
 ● Adjustable by thumb screw
 ● Extends to 16"
 ● Cable: 72"



#13-4317
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● 0° ~90° mounting angle
 ● Extends to 16"
 ● Cable: 72"



#13-4318
 ● Fits most cars
 ● Pillar side mount
 ● 1 section flexible rubber mast
 ● Extends to 16"



#13-4319
 ● Fits most cars
 ● Pillar side mount
 ● 1 section flexible rubber mast
 ● Extends to 16"
 ● Cable: 54"



#13-4320
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



#13-4321
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



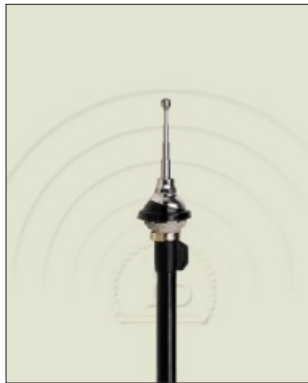
#13-4322
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 16"
 ● Cable: 54"



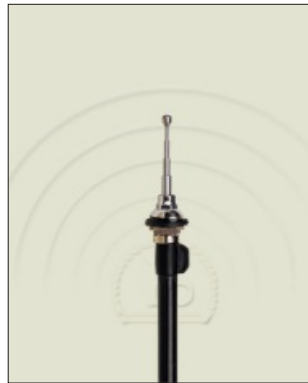
#13-4323
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Swivel ball base
 180° adjustable angle
 ● Extends to 15"
 ● Cable: 54"



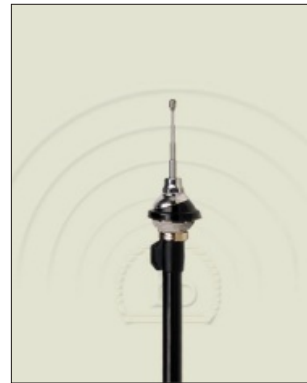
#13-4324
 ● Universal roof, front or rear fender mount
 ● 1 section flexible rubber mast
 ● Extends to 15"



#13-4501
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"
 #13-4501B same as #13-4501
 But black finished.



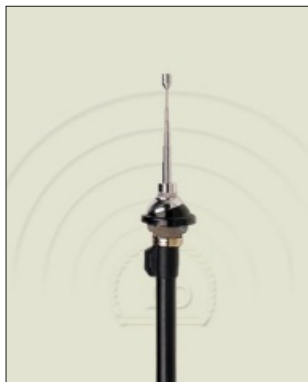
#13-4502
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 39"
 ● Cable: 48"
 #13-4502B same as #13-4502
 but black finished.



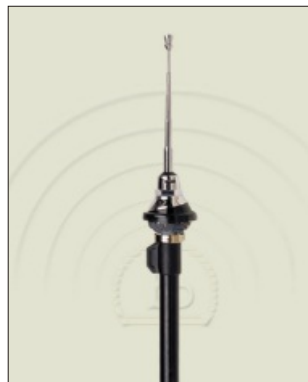
#13-4503
 ● Universal fitting-wide top
 ● 4 section
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 31"
 ● Cable: 48"
 #13-4503B same as #13-4503
 but black finished.



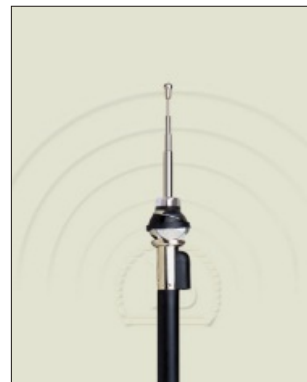
13-4504
 ● Universal fitting-wide top
 ● 4 section
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 31"
 ● Cable: 48"
 13-4504B same as 13-4504
 but black finished.



#13-4505
 ● Universal fitting-wide top
 ● 6 section
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"
 #13-4505B same as #13-4505
 But black finished.



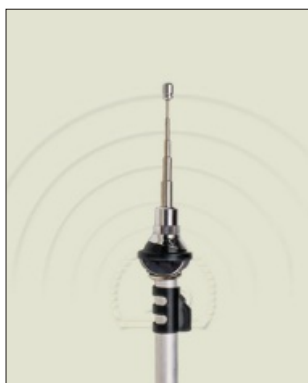
#13-4506
 ● Sidekey
 ● Universal fitting-wide top
 ● 5 section
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"
 #13-4506B same as #13-4506
 But black finished.



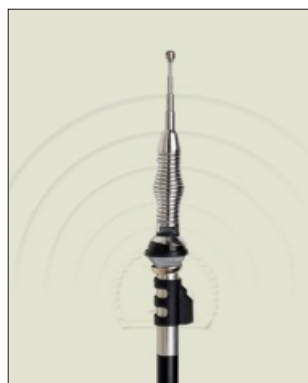
#13-4507
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Extends to 39"
 ● Cable: 48"



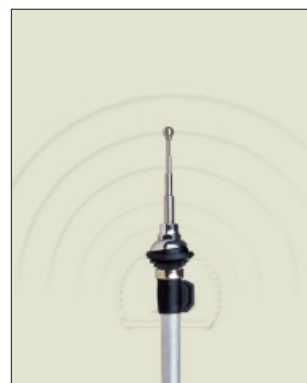
#13-4508
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"
 ● Ring key-lock type



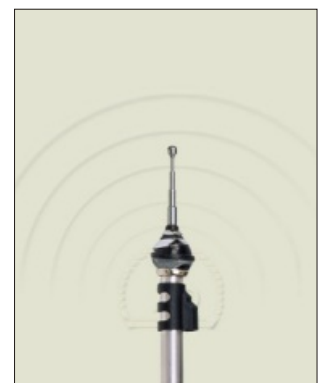
#13-4509
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"
 ● Ring key-lock type
 #13-4509B same as #13-4509
 but black finished.



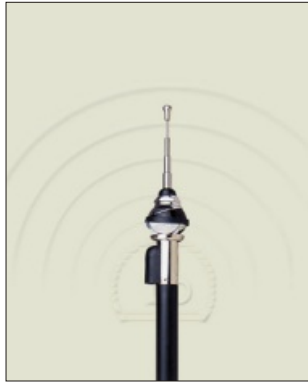
#13-4510
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 39"
 ● Cable: 48"



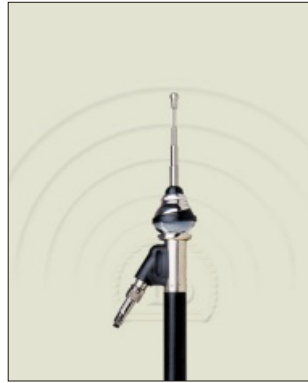
#13-4511
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 31"
 ● Cable: 48"



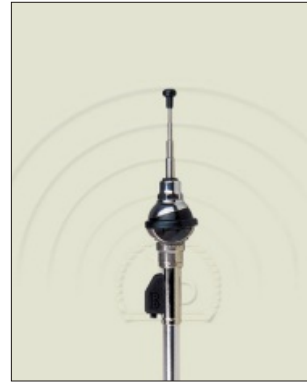
#13-4512
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Extends to 39"
 ● Cable: 48"



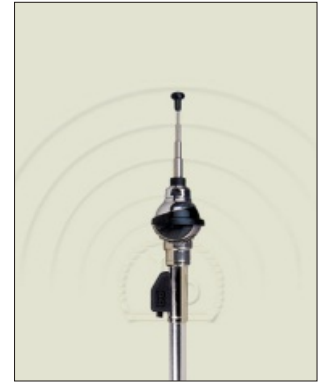
#13-4513
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Extends to 39"
 ● Cable: 48"



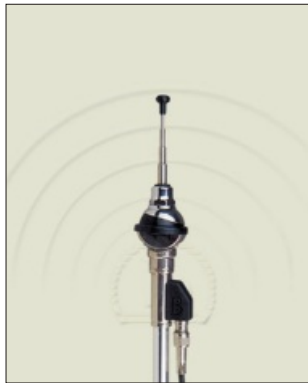
#13-4514
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Extends to 39"
 ● Cable: 48"



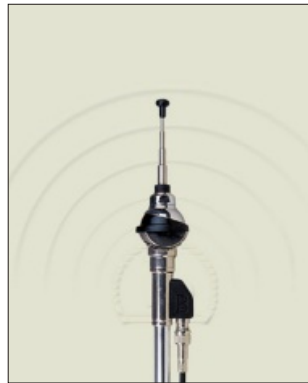
#13-4515
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"



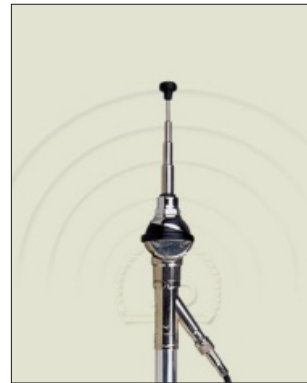
#13-4516
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"



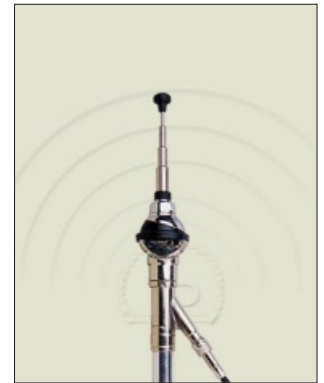
#13-4517
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"



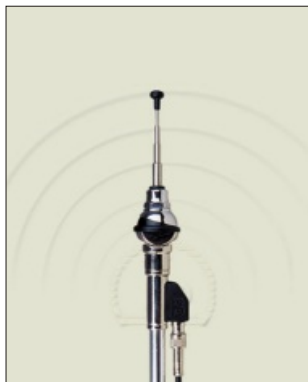
#13-4518
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"



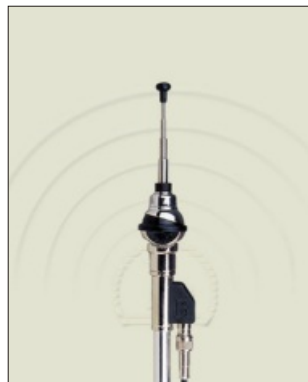
#13-4519
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"



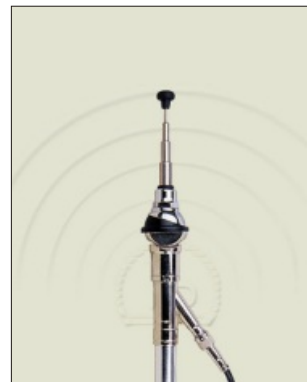
#13-4520
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Large mounting head
 ● Extends to 39"
 ● Cable: 48"



#13-4521
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 39"
 ● Cable: 48"



#13-4522
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 39"
 ● Cable: 48"



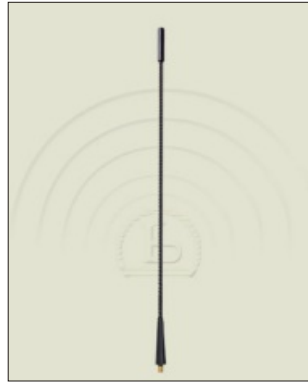
#13-4523
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 39"
 ● Cable: 48"



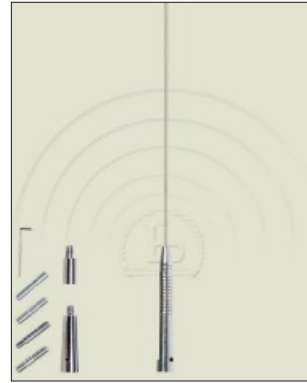
#13-4524
 ● Universal fitting-wide top
 ● 4 sections
 ● 0° ~30° mounting angle
 ● Small mounting head
 ● Extends to 39"
 ● Cable: 48"



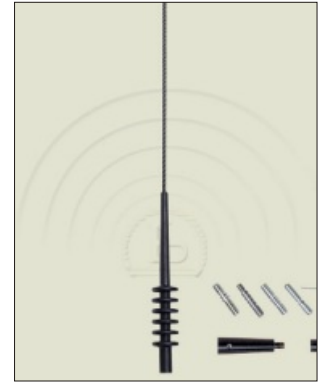
#13-4701
 ● Fits GM, FORD, CHRYSLER
 ● 1 section
 ● Extends to 31"



#13-4702
 ● 1 section fiberglass mast
 ● Extends to 14 1/2"



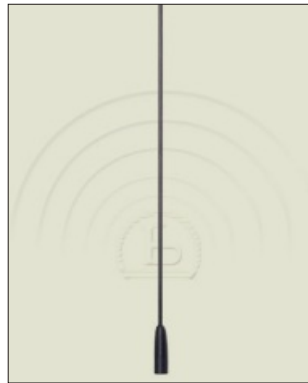
#13-4703
 ● Universal type
 ● 1 section
 ● Spring base
 ● Extends to 21"



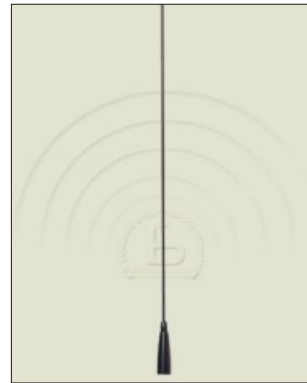
#13-4704
 ● Fits most vehicles
 ● 1 section fiberglass mast
 ● Replacement mast
 ● Extends to 31"



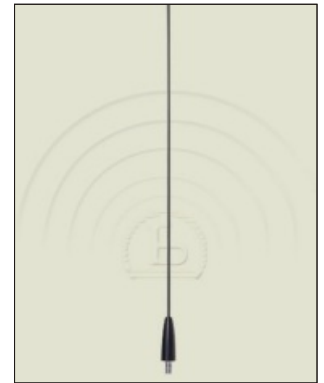
#13-4705
 ● Fits all vehicles
 ● 1 section fiberglass mast
 ● Replacement mast
 ● Premium Whip
 ● Extends to 17"



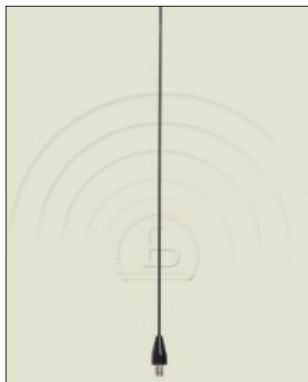
#13-4706
 ● Fits FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section fiberglass mast
 ● Extends to 31"



#13-4707
 ● Fits FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section
 ● Extends to 31"



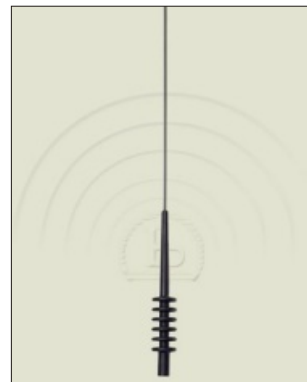
#13-4708
 ● Fits FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section
 ● Extends to 31"



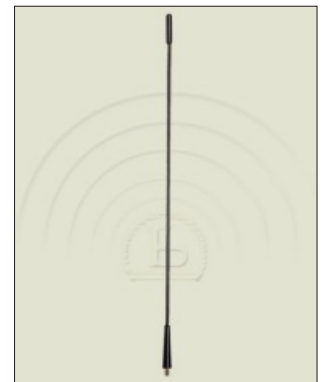
#13-4709
 ● Fits GM, FORD, CHRYSLER
 ● 1 section
 ● Extends to 31"



#13-4710
 ● 1 section
 ● Extends to 16"



#13-4711
 ● 1 section
 ● Extends to 31"



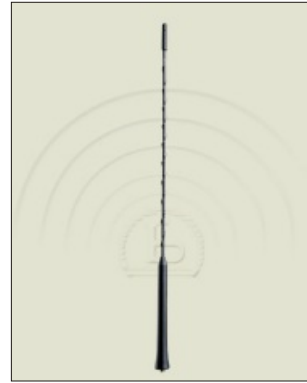
#13-4712
 ● 1 section fiberglass mast
 ● Extends to 21"



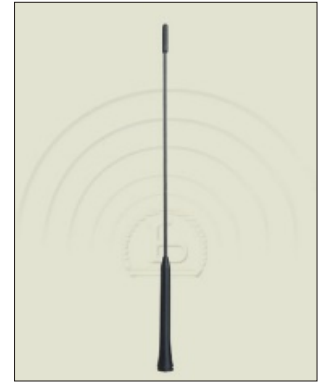
#13-4713
 ● 3 sections
 ● Extends to 23"



#13-4714
 ● 2 sections
 ● Extends to 26"



#13-4715
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section flexible fiberglass mast
 ● Extends to 16"



#13-4716
 ● 1 section flexible fiberglass mast
 ● Extends to 16"



#13-4717
 ● 1 section flexible fiberglass mast
 ● Extends to 16"



#13-4718
 ● 1 section flexible fiberglass mast
 ● Extends to 91/2"



#13-4719
 ● 1 section flexible fiberglass mast
 ● Extends to 8"



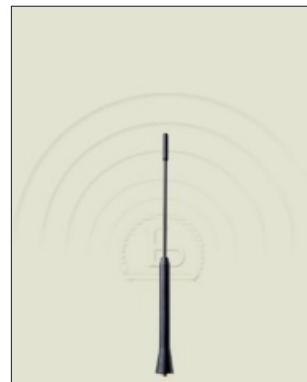
#13-4720
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section flexible fiberglass mast
 ● Extends to 16"



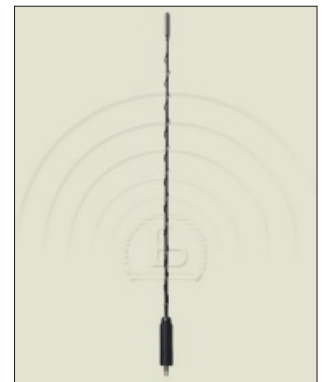
#13-4721
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section flexible fiberglass mast
 ● Extends to 16"



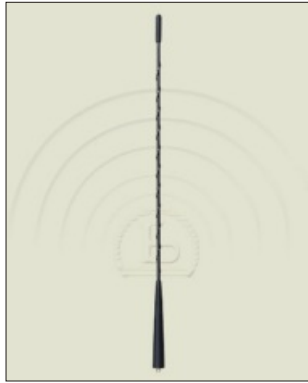
#13-4722
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section flexible fiberglass mast
 ● Extends to 141/2"



#13-4723
 ● Fits VW, RENAULT, OPEL
 ● 1 section fiberglass mast
 ● Extends to 81/2"



#13-4724
 ● Fits Audi - A6
 ● 1 section fiberglass mast
 ● Extends to 16"



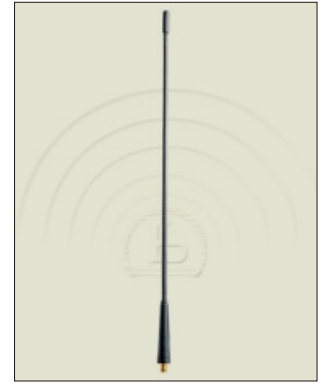
#13-4725
 ● Fits SMART
 ● Extends to 16"
 ● 1 section flexible fiberglass mast
 t#13-4725C Same as #13-4725 but extends to 19 1/2"



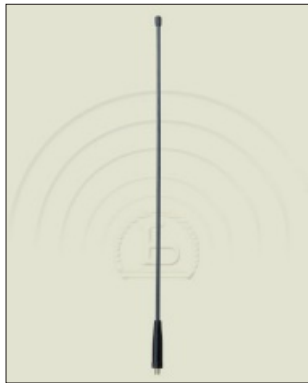
#13-4726
 ● 1 section fiberglass mast
 ● Extends to 16"



#13-4727
 ● Fits AUDI
 ● 1 section fiberglass mast
 ● Extends to 19"



#13-4728
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section fiberglass mast
 ● Extends to 16"



#13-4729
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section fiberglass mast
 ● Extends to 16"



#13-4730
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section fiberglass mast



#13-4731
 ● Fits VW, FIAT, PEUGEOT, CITROEN, RENAULT
 ● 1 section fiberglass mast
 ● Extends to 16"



#13-4732
 ● 1 section removable mast
 ● Extends to 41/2"



#13-4733
 ● 1 section removable mast
 ● Extends to 7"



#13-4734
 ● 1 section removable mast
 ● Extends to 9"



#13-4735
 ● 1 section removable mast
 ● Extends to 61/2"



#13-4736
 ● 1 section removable mast
 ● Extends to 9"



#13-5001



#13-5002



#13-5003



#13-5004



#13-5005



#13-5006



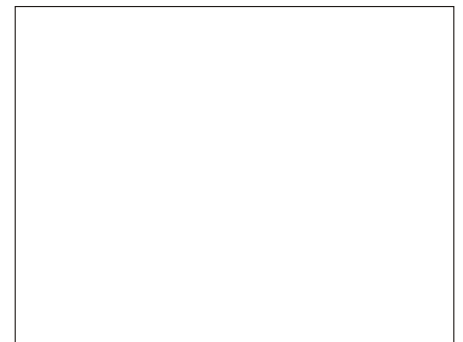
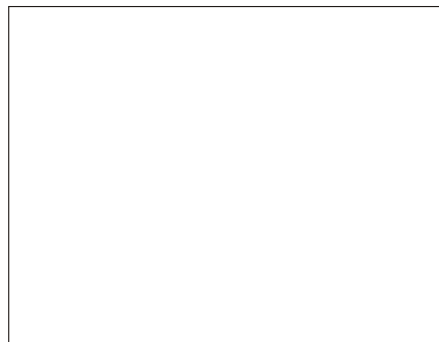
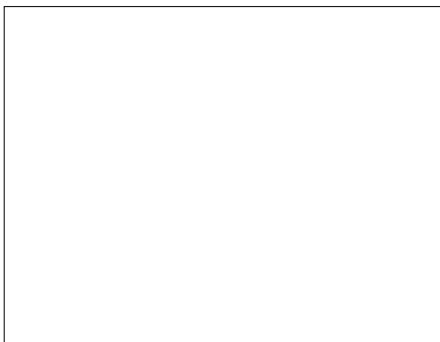
#13-5007



#13-5008



#13-5009



#13-5501



#13-5502



#13-5503



#13-5504



#13-5505



#13-5506



#13-5507



#13-5508



#13-5509



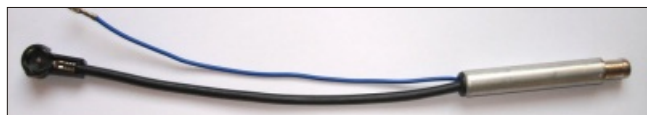
#13-5510



#13-5511



#13-5512



#13-5513



#13-5514



#13-5515



#13-5516



#13-5517



#13-5518



#13-55119



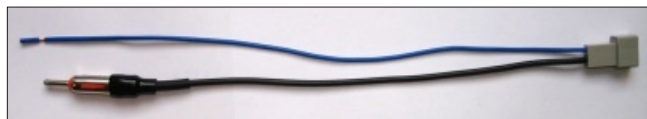
#13-5520



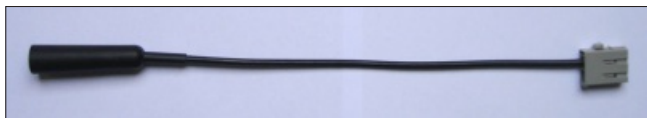
#13-5521 Honda



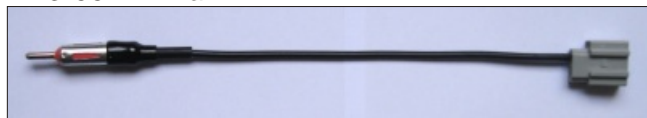
#13-5522 Honda



#13-5523 Kia



#13-5524 Kia



#13-5525 Kia



#13-5526 Kia



#13-5527 Nissan



#13-5528 Nissan



#13-5529



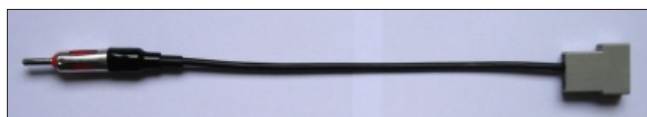
#13-5530



#13-5531 Subaru



#13-5532 Subaru



#13-5533 Volvo



#13-5601



#13-5602



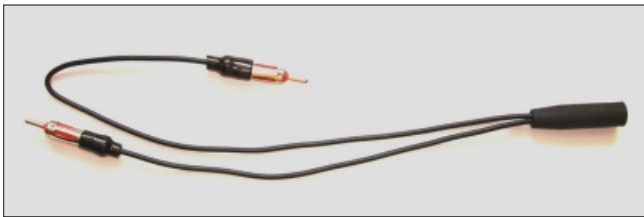
#13-5603



#13-5604



#13-5605



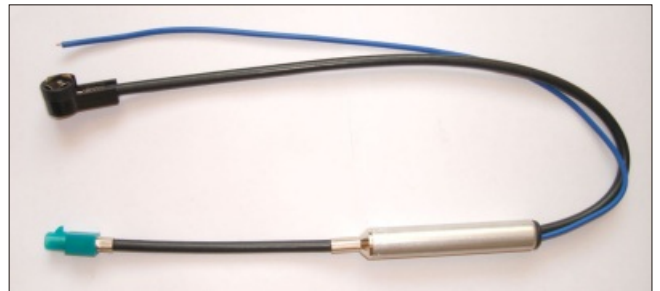
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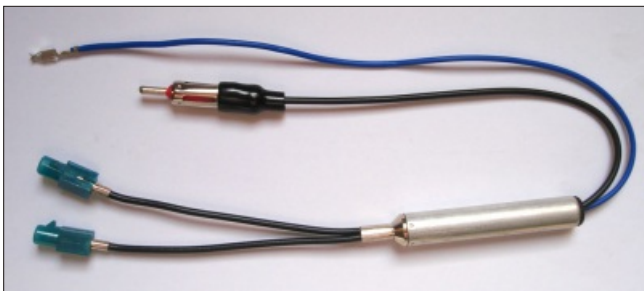
#13-5607



#13-5608



#13-5609



#13-5610





#13-9001
SS WRAP-AROUND BULL BAR MOUNT



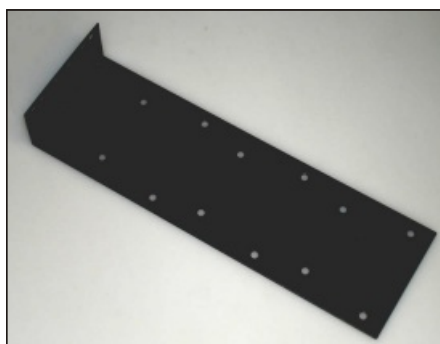
#13-9002
VN-VS LONG SS BONNET MOUNT



#13-9003
UNIVERSAL MOUNTING BRACKETS (pr)



#13-9004
FORD BA SERIES BRACKET - RHS



#13-9005
UNIVERSAL LONG HANDSET BRACKET



#13-9006
SS HEAVY DUTY BULL BAR MOUNT



#13-9007
SS LOW PROFILE L BRACKET



#13-9008
FORD BA SERIES BRACKET - LHS



#13-9009
SS LOW PROFILE Z BRACKET RHS



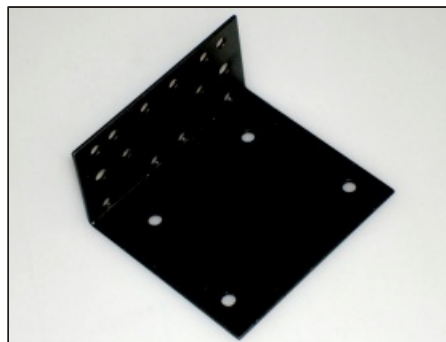
#13-9010
BLACK Z BONNET MOUNT BRACKET



#13-9011
BLACK BULL BAR MOUNT



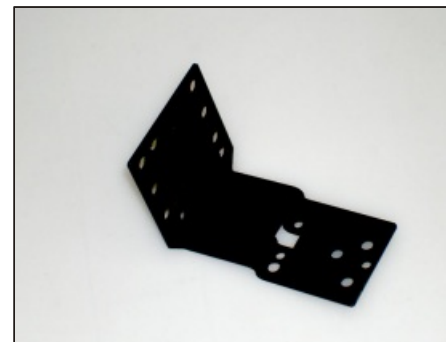
#13-9012
HOLDEN VT BRACKET



#13-9013
UNIVERSAL SHORT
HANDSET BRACKET



#13-9014
SS LONG LOW PROFILE Z
BRACKET LHS



#13-9015
FORD AU-II BRACKET



#13-9016
MAGNA MOUNT BRACKET



#13-9017
VN-VS SS BONNET
MOUNT BRACKET



#13-9018
SS Z BONNET MOUNT
BRACKET



#13-9019
BA FORD BONNET
MOUNT - LHS



#13-9020
HOLDEN VY BRACKET



#13-9021
BAR FORD BONNET
MOUNT - RHS



#13-9022
BULL BAR MOUNT



#13-9023
Iso Frame Holder



#13-9024

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