

B132S

Spring Mount Antenna
132-525 MHz

TE's ongoing commitment to refinement in mechanical and electrical design has resulted in the most technically advanced mobile load coil 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 TE the obvious choice for quality and long-lasting value for demanding mobile radio communications.

FEATURES AND BENEFITS

- Easily removable rod allows the mount to stay water tight during car washes
- O-ring built into the base creates a weather-tight seal
- ABS material is injection molded directly around the solid brass inserts for a virtually indestructible housing that will not leak or disassemble
- All silver soldered joints provide an electrically and mechanically secure connection

APPLICATIONS

- Public safety
- Transportation
- Utility
- Military mobile

ELECTRICAL SPECIFICATION	
Operating Frequency (MHz)	132 - 525
Number of Ports	1
VSWR – Max	<2.0:1
Gain (dBi)	2
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	200
Polarization	Vertical
Vertical Plane 3 dB Beamwidth Port 1	110°
Horizontal Plane 3 dB Beamwidth Port 1	360°
Noise Suppressor	BlackHawk NS1535 1-35 VOLT, 15 Amp Noise Suppessor (Sold Separately)

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MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – mm (inches)	584 x 36.58 (23 x 1.44)
Weight – kg (lbs.)	2.27 (<0.5)
Cable Type	Not Included

ENVIRONMENTAL SPECIFICATIONS	
Operating Environment (Indoor or Outdoor)	Outdoor
Operating Temperature – °C (°F)	-30 to +85°C (-22 to +185°F)
Wind Resistance – ft2	0.023

CONFIGURATION

PART NUMBER	DESCRIPTION	FINISH	HEIGHT	TUNING
B132S	132-525 MHz, Base Loaded 1/4 Wave Broadband	Chrome	23”	See Cutting Chart
BB132S	132-525 MHz, Base Loaded 1/4 Wave Broadband	Black	23”	See Cutting Chart

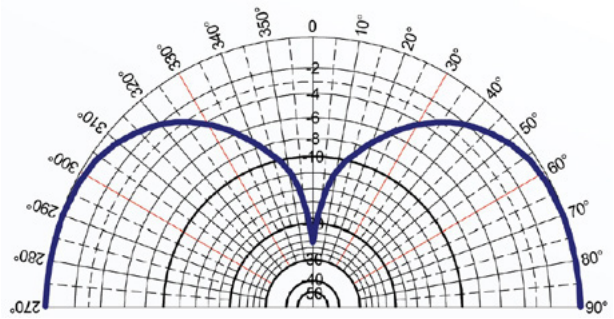
B132S CUTTING / TUNING CHART

FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH
132	19 3/8”	156	16”	220	10 1/52”
134	19”	158	15 5/8”	230	10 1/8”
136	18 1/2”	160	15 3/8”	240	9 3/4”
138	18 1/8”	162	15”	250	9 1/4”
140	17 7/8”	164	14 7/8”	406	5 5/8”
142	17 5/8”	166	14 5/8”	425	4 1/8”
144	17 1/2”	168	14 1/2”	450	3 5/8”
146	17 1/4”	170	14 3/8”	475	3 1/8”
148	17”	172	14 1/8”	500	3”
150	16 7/8”	174	14”	525	3 3/4”
152	16 1/2”	200	11 1/2”		
154	16 1/4”	210	11”		

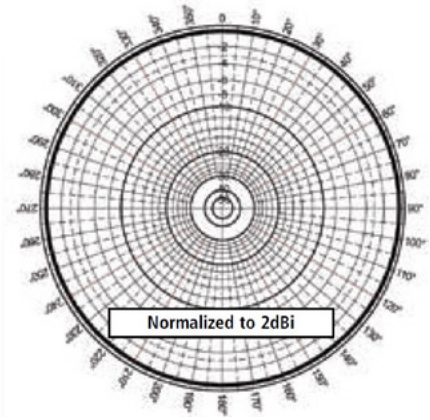
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RADIATION PATTERNS

Elevation Pattern (Y, Z, or H-Plane)



Elevation Pattern (Y, Z, or H-Plane)



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