

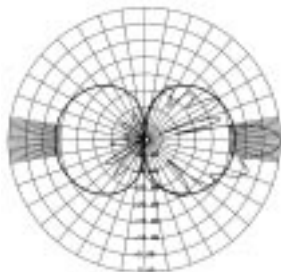
DB846H90(E)-SX

dB Director®

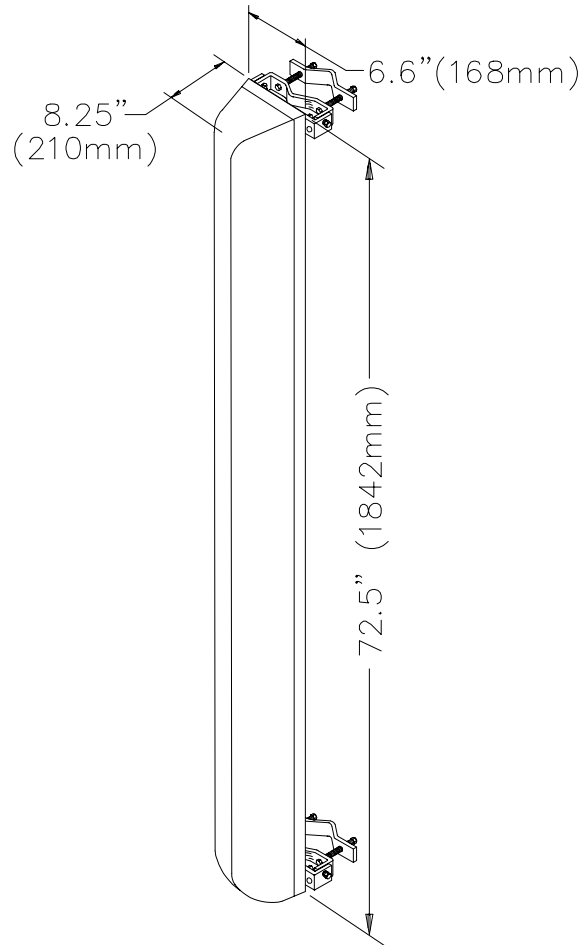
13.5 dBd, 90°, Directional Log Periodic Antenna, 806-896 MHz

Model Number	DB846H90-SX	DB846H90E-SX
Termination	Type N-Female	7/16 DIN
Frequency Range	806-896 MHz	
Gain	13.5 dBd (15.6 dBi)	
VSWR	< 1.4:1	
Beamwidth (3dB from max)	Horizontal: 90° Vertical: 11°	
Front to Back Ratio	40 dB Typical	
Upper Side Lobe Suppression	18 dB Typical	
Polarization	Vertical	
Max. Input Power	500 Watts	
Application	Amps Cellular and Trunking	
Weight	15 lbs (6.8 kg)	
Wind Area	Frontal: 3.3 ft² (0.31 m²) Lateral: 4.2 ft² (0.39 m²)	
Wind Load	Frontal: 132 lbf (588N) 59.4 kp (at 100 mph) Lateral: 166 lbf (740N) 74.7 kp (at 100 mph)	
Max. Wind Speed	125 mph (201 km/h)	
Material	Radiators: Brass Back Panel: Pass. Aluminum Radome: ABS Mounting Hdw: Galvanized Steel	
Color	Normal: Gray	
Mounting	DB380 pipe mount kit (max. 3.5" OD), included.	
Downtilt Brackets (Optional)	DB5083	
Weather Protection	Fully protected by metal and ABS.	
Lightning Protection	All metal parts grounded.	
Packing Size	82" x 10" x 15" (208 x 25 x 38 cm)	
Shipping Weight	36 lbs (16.4 kg)	

Antenna Patterns



Vertical



13.5 dBd (15.6 dBi) Gain Directional Log Periodic Antenna with 90° horizontal 3 dB beamwidth for 806-896 MHz.

Electrical Downtilt (T) Option

Model Number	Downtilt	Gain
846H90T5E-SX	5°	13 dBd (15.1 dBi)

Specifications are for reference only.

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DECIBEL PRODUCTS

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