

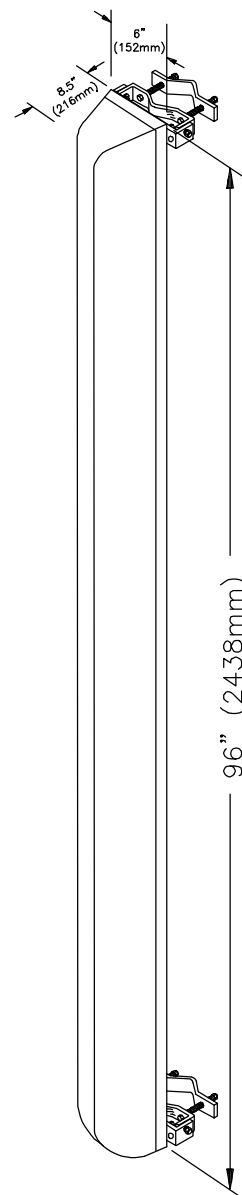
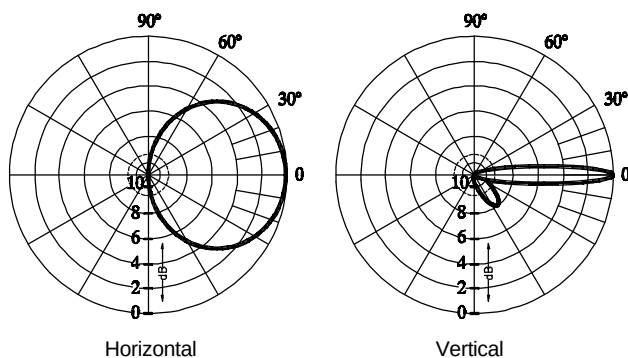
DB848H90(E)-SX

dB Director®

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

Model Number	DB848H90-SX	DB848H90E-SX
Termination	Type N-Female	7/16 DIN
Frequency Range	806-896 MHz	
Gain	14.5 dBd (16.6 dBi)	
VSWR	1.3 : 1	
Beamwidth (3dB from max)	Horizontal: 90° ± 5° Vertical: 7.5° ± 1°	
Front to Back Ratio	> 40 dB	
Polarization	Vertical	
Max. Input Power	500 Watts	
Application	AMPS, Cellular, and Trunking	
Weight	28 lbs (12.7 kg)	
Wind Area	4 ft² (0.37 m²)	
Wind Load	160 lbf (712N) 71.9 kp (at 100 mph)	
Max. Wind Speed	125 mph (200 km/h)	
Material	Radiators: Brass Back Panel: Pass. Aluminum Radome: ABS, UV Inhibited 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	15" x 10" x 106" (38 x 25 x 269 cm)	
Shipping Weight	40 lbs (18 kg)	

Antenna Patterns



Electrical Downtilt (T) Option

Model Number	Downtilt	Gain
848H90T4E-SX	4°	14.1 dBd (16.2 dBi)

Specifications are for reference only.

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DECIBEL PRODUCTS

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90°