



AMPS CELLULAR TRUNKING

806 - 896 MHz

MaxFill™
dB Director®

Log Periodic
Antenna



ISO9001 Compliant

8635 Stemmons Freeway
Dallas, Texas U.S.A.
75247-3701

Dallas/Ft.Worth Area:

Tel: 214.631.0310
Fax: 214.631.4706

Toll Free:

Tel: 1.800.676.5342
Fax: 1.800.229.4706

848F90T5E-SX

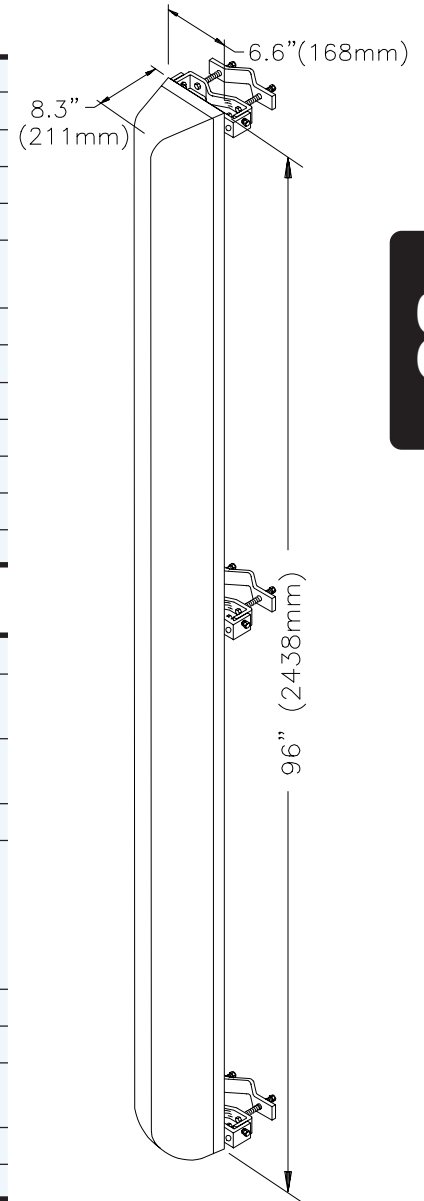
MaxFill™ dB Director®
13.7 dBd, 90°
Directional Log Periodic Antenna

Electrical Specifications

Model Number	848F90T5E-SX
Terminations	7/16 DIN Female
Frequency Range	806 - 896 MHz
Gain	13.7 dBd (15.8 dBi)
VSWR	1.4 : 1
Beamwidth (3 dB from max.)	Horizontal: 90° Vertical: 10°
Electrical Downtilt	5°
USLS	18 dB, Typical
Null Fill	11 dB Typ; 13 db Min.
Front-to-Back Ratio	40 dB, Typical
Polarization	Vertical
Max. Input Power	500 Watts
Application	AMPS, Cellular, Trunking

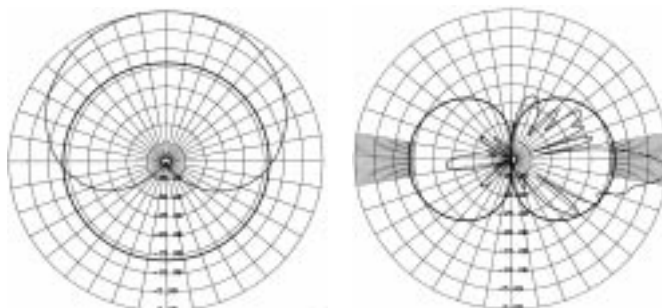
Mechanical Specifications

Weight	28 lbs (12.7 kg)
Wind Area	Frontal: 4.4 ft² (0.41 m²) Lateral: 5.6 ft² (0.52 m²)
Wind Load	Frontal: 176 lbf (783N) 79.1 kp @ 100 mph Lateral: 222 lbf (988N) 99.8 kp @ 100 mph
Max. Wind Speed	125 mph (201 km/h)
Material	Reflectors: Aluminum Radiators: Brass Back Panel: Passivated Aluminum Radome: ABS, UV Stabilized Mounting Hardware: Galvanized Steel
Color	Gray
Mounting	DB380-3 pipe mount kit, included.
Downtilt Bracket (Optional)	DB5083D
Weather Protection	Fully protected by metal and UV stabilized ABS.
Lightning Protection	All metal parts are grounded.
Packing Size	15 x 10 x 106 " (38 x 25 x 269 cm)
Shipping Weight	41 lbs (18.6 kg)



90°

Antenna Patterns



Horizontal

Vertical