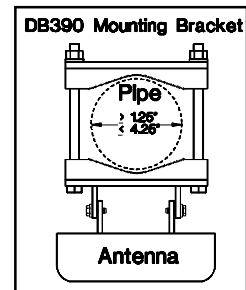
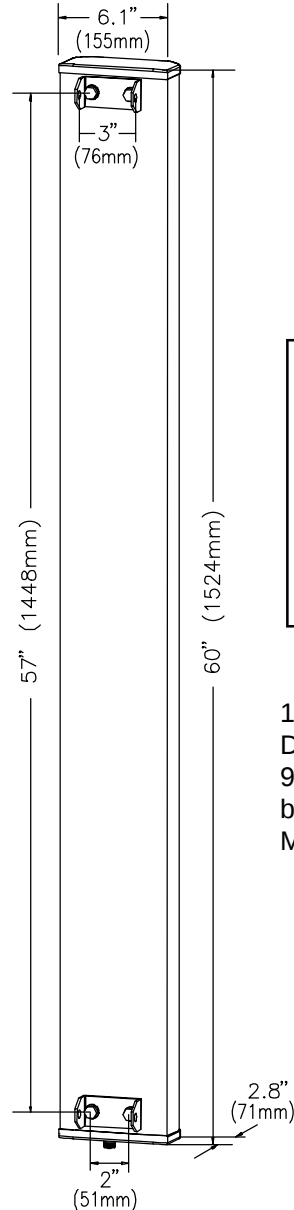
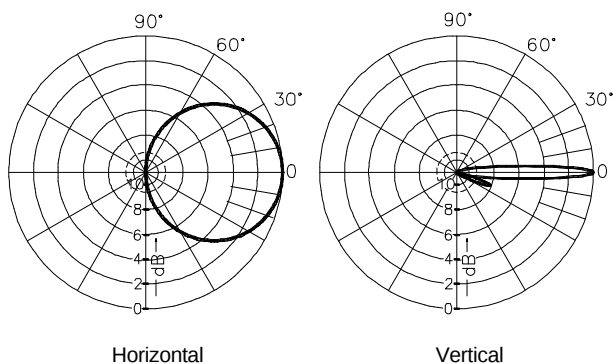


DB980H90(E/N)-M

90°, 15 dBd Directional Antenna
1850-1990 MHz

Model Number	DB980H90E-M	DB980H90N-M
	DB980H90A-M	DB980H90B-M
Connector Options	Bottom: E = 7-16 DIN N = Type N Female Back: A = 7-16 DIN B = Type N Female	
Frequency Range	1850 - 1990 MHz	
Gain	15 dBd or 17.1 dBi	
Side Lobe Suppression	First upper side lobe suppressed >15 dB	
VSWR	< 1.4:1	
Beamwidth (3dB from max)	Horizontal	90° ± 7°
	Vertical	5.5° ± .5°
Front to Back Ratio	> 25 dB	
Polarization	Vertical	
Max. Input Power	250 Watts	
Application	PCN, PCS, DCS1800	
Weight	8.5 lbs (4.0 kg)	
Wind Area	2.5 ft² (.24 m²)	
Wind Load	100 lbf (445N) 44.9 kp (at 100 mph)	
Max. Wind Speed	165 mph (266 km/h)	
Material	Reflector Screen: Pass. Aluminum Radiators: Brass Radome: PVC, UV Resistant Mtg. Hardware: Galvanized Steel	
Color	Normal: Gray	
Mounting	DB390 pipe mount kit, included.	
Downtilt Brackets (Optional)	DB5098	
Weather Protection	Fully protected by backplate and radome.	
Lightning Protection	All metal parts grounded.	
Packing Size	72" x 7" x 6" (183 x 18 x 15 cm)	
Shipping Weight	15 lbs (6.8 kg)	

Antenna Patterns



15 dBd (17.1 dBi) Gain
Directional Antenna with
90° horizontal 3 dB
beamwidth for 1850-1990
MHz.

Electrical Downtilt (T) Option

Model Number	Downtilt	Horizon Gain
980H90T2E/N-M	2°	15.0 dBd
980H90T3E/N-M	3°	14.9 dBd
980H90T4E/N-M	4°	14.4 dBd
980H90T6E/N-M	6°	14.2 dBd

Specifications are for reference only.

099045-000-P 05/00



DECIBEL PRODUCTS

A Division of Allen Telecom Inc.

8635 Stemmons Freeway • P. O. Box 569610 • Dallas, Texas 75356-9610
214 / 631-0310 • Fax: 214 / 631-4706



90°