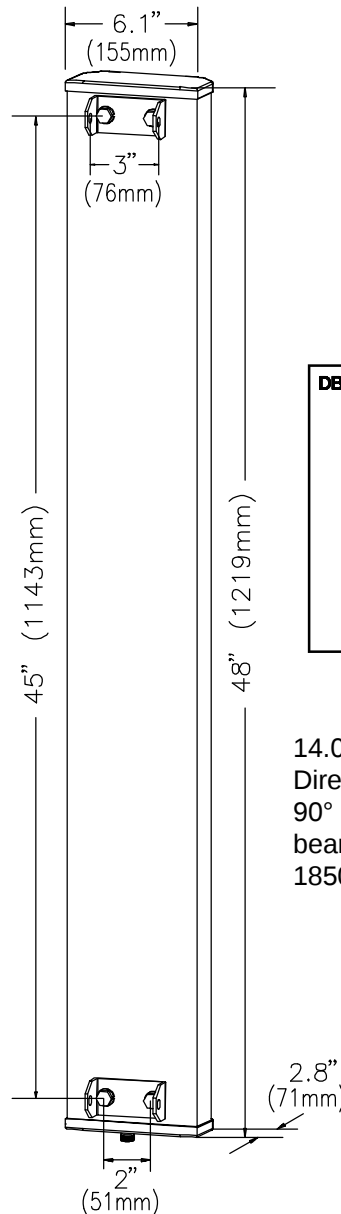
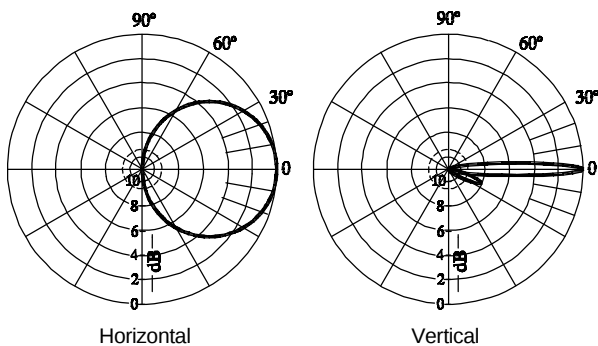


DB978H90(E/N/A/B/R/S)-M

90°, 14.0 dBd Directional Antenna
1850-1990 MHz

Model Number	DB978H90E-M	DB978H90N-M
	DB978H90A-M	DB978H90B-M
	DB978H90R-M	DB978H90S-M
Connector Options	Bottom: E = 7-16 DIN N = Type N Female Back: A = 7-16 DIN B = Type N Female Top: R = 7-16 DIN S = Type N Female	
Frequency Range	1850 - 1990 MHz	
Gain	14.0 dBd (16.1 dBi)	
Null Fill	First lower null is less than 18 dB down from max. First upper side lobe suppressed.	
VSWR	< 1.4:1	
Beamwidth (3dB from max)	Horizontal: 90° ± 7° Vertical: 6.5° ± .5°	
Front to Back Ratio	> 25 dB	
Polarization	Vertical	
Max. Input Power	250 Watts	
Application	PCS	
Weight	7.1 lbs (3.2 kg)	
Wind Area	2.0 ft² (.19 m²)	
Wind Load	80 lbf (356N) 35.9 kp (at 100 mph)	
Max. Wind Speed	165 mph (266 km/h)	
Material	Reflector Screen: Pass. Aluminum Radiators: Brass Radome: PVC, UV Resistant Mounting Hdw: 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	53" x 7" x 6" (135 x 18 x 15 cm)	
Shipping Weight	11 lbs (5 kg)	

Antenna Patterns



14.0 dBd (16.1 dBi) Gain
Directional Antenna with
90° horizontal 3 dB
beamwidth for
1850-1990 MHz.

Electrical Downtilt (T) Option

Model Number	Downtilt	Gain
978H90T2(B/E/N/R/S)-M	2°	14.0
978H90T3(E/N)-M	3°	13.9
978H90T5(E/N/R/S)-M	5°	13.7
978H90T7(E/N)-M	7°	13.5

Specifications are for reference only.

099050-000-P 12/99



DECIBEL PRODUCTS

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