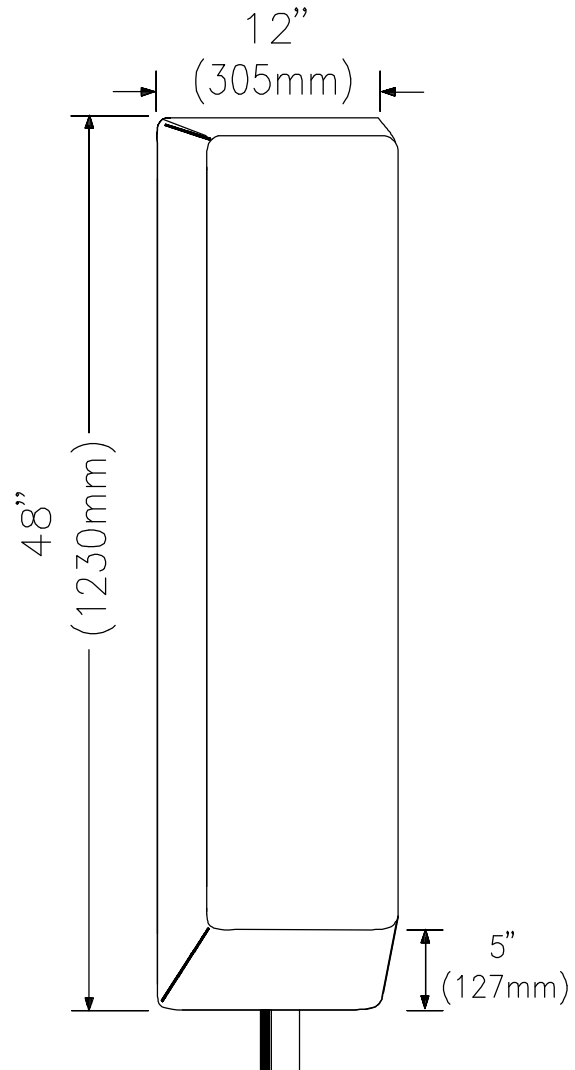
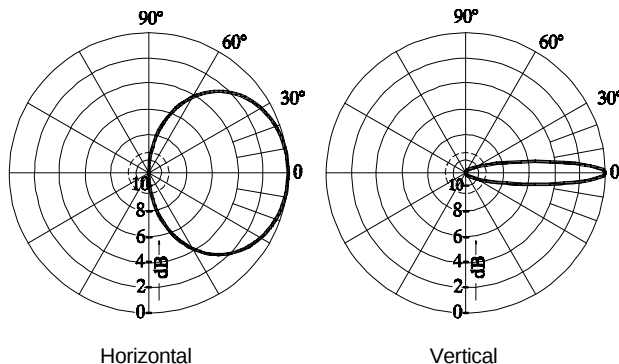


DB874H83(E)-SX

12 dBd 83°, Directional Panel Antenna
806-869 MHz

Model Number	DB874H83-SX	DB874H83E-SX
Terminations	Type N-Female	7-16 DIN ("E")
Frequency Range	806 - 896 MHz	
Gain	12 dBd or 14.1 dBi	
VSWR	< 1.5 : 1	
Beamwidth (3dB from max)	Horizontal: 83° ± 7° Vertical: 14° ± 3°	
Front-to-Back Ratio	> 20 dB	
Polarization	Vertical	
Max. Input Power	500 Watts	
Application	Trunking	
Weight	15 lb (6.8 kg)	
Wind Area	4 ft² (0.37 m²)	
Wind Load	160 lbf (712N) 71.9 kp (at 100 mph)	
Max. Wind Speed	136 mph (219 km/h)	
Material	Reflector: Radiators: Radome: Mounting Hdw:	Pass. Aluminum Silver-Plated Brass ABS, UV Resistant Galvanized Steel
Color, Radome	Light Gray	
Mounting	DB380 pipe mount kit (max. 3.5" OD), included.	
Downtilt Bracket (Optional)	DB5083	
Weather Protection	Fully protected by backplate and radome.	
Lightning Protection	All metal parts grounded.	
Packing Size	59" x 16" x 12" (150 x 41 x 30 cm)	
Shipping Weight	26 lb (12 kg)	

Antenna Patterns



12 dBd (14.1 dBi) Directional Antenna with 83° horizontal 3 dB beamwidth in a UV resistant ABS radome for 806-869 MHz.

Model Number	Downtilt	Gain
874H83T4(E)-SX	4°	12 dBd
874H83T6(E)-SX	6°	11.8 dBd

Specifications are for reference only.

099062-013A 5/00



DECIBEL PRODUCTS

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