

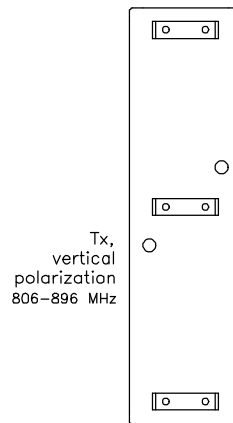
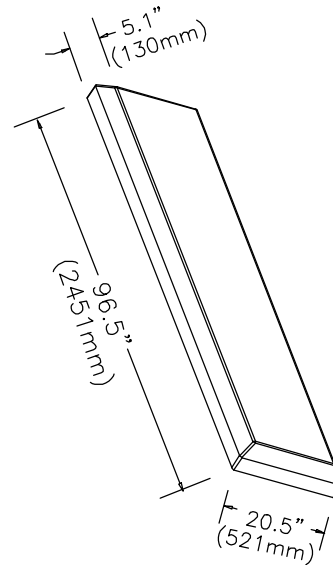
DB858HV90(- or E)SX / DB858H90(E)-SX

(Horizontal and Vertical Polarization) / (Vertical Polarization Only)

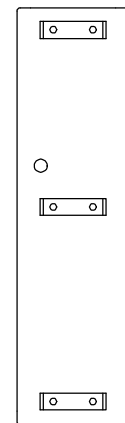
Diversity Master™

8 ft, 14.5 dBd, 806-896 MHz, 90° Panel Antennas

Model Number	H&V Pol.	DB858HV90-SX		DB858HV90ESX
	V Pol.	DB858H90-SX		DB858H90E-SX
Impedance		50 ohms		
Termination		Type N-Female	7-16 DIN ("E")	
Frequency Range		Horizontal Pol:	806-896 MHz	
		Vertical Pol:	806-896 MHz	
Gain		14.5 dBd (16.6 dBi) ± 0.5, each		
Font-to-Back Ratio		Rx:	>20 dB	
		Tx:	>25 dB	
Isolation: Port-to-Port		>30 dB		
VSWR		< 1.5 : 1		
Beamwidth (3dB from max)		90° Horizontal (H & V) 7° Vertical (H & V)		
Polarization		Vertical and Horizontal		
Max. Input Power		500 Watts		
Other Information		These two antennas complete one cell sector with Tx/Rx and Rx.		
Weight		43 lbs (19.5kg) (HV)	41 lbs (18.6kg) (H)	
Wind Area		13.7 ft² (1.27 m²)		
Wind Load		548 lbs (2438N) 246 kp (at 100 mph)		
Max. Wind Speed		125 mph (200 km/h)		
Material		Radiators:	Silver-Plated Brass	
		Back Panel:	Pass. Aluminum	
		Radome:	ABS	
		Mounting Hdw:	Galvanized Steel	
Color, Radome		Light Gray		
Mounting		DB380-3 pipe mount kit (max. 3.5" OD), included.		
Downtilt Bracket (Optional)		DB5083D		
Packing Size		98" x 26" x 12" (249 x 66 x 30 cm)		
Shipping Weight		70 lbs (32 kg) (HV)	68 lbs (31 kg) (H)	

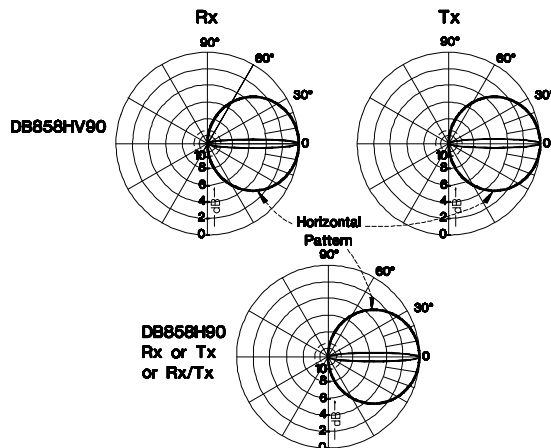


DB858HV90



DB858H90

Antenna Patterns



Two 8 ft. panel antennas, one with vertical (Tx) and horizontal (Rx) polarization (HV90) and one with vertical (Rx, Tx, or Rx/Tx) polarization only (H90). Rx and Tx cover same geography.

Specifications are for reference only.

099095-000-P 07/00



DECIBEL PRODUCTS

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90°