

A-18A24*-x

Single Band | Planar | V/H-Pol | 14.2° | 20 dBi | Fixed Tilt

- Single band, vertically or horizontally polarized planar antenna with fixed electrical downtilt
- Two mounting options available

Ordering Options		Model Number
When ordering replace "*" with connector type; replace "x" with the mounting type.		
7-16 DIN Connector, U-bolt mounting		A-18A24E-B
7-16 Din Connector, C-mount		A-18A24E-C
N Connector, U-bolt mounting		A-18A24N-B
N Connector, C-mount		A-18A24N-C
Electrical Characteristics		
Frequency Bands	1850-1990 MHz	
Polarization	Vertical or Horizontal (depending on how the antenna is oriented)	
Horizontal Beamwidth	14.2°	
Vertical Beamwidth	14.2°	
Gain	17.9 dBd (20.0 dBi)	
Electrical Downtilt	0°	
Impedance	50Ω	
VSWR	< 1.5:1	
Front-to-Back Ratio	> 33 dB	
Sidelobe level (azimuth)	> -35 dB (80° ≤ 0 ≤ 100°)	
Sidelobe level (elevation)	> -42 dB (80° ≤ 0 ≤ 100°)	
Intermodulation with 7/16 DIN Connector	> 147 dBc for 2 x 20 W carriers	
Intermodulation with N Type Connector	> 140 dBc for 2 x 20 W carriers	
Input Power	100 W	
Connector(s)	1 Port / (E) 7/16 DIN Female, Back or (N) N Female, Back	
Mechanical Characteristics		
Dimensions Length x Width x Depth	660 x 660 x 46 mm	26.0 x 26.0 x 1.8 in
Weight without Mounting Brackets	8.2 kg	18.0 lbs
Wind load at 160 km/hr (100 mph)	890 N	200 lbf
Mounting Options		
Mounting Kit (x)	(B) = U-bolt mounting kit	(C) = C-mount kit
Survival wind speed	201 km/hr 125 mph	201 km/hr 125 mph
Operational wind speed	121 km/hr 75 mph	97 km/hr 60 mph
Weight	0.9 kg 2 lbs	2.7 kg 6 lbs
Part number if ordering separately	H00830	505-126-5-001
Mounting interface (pole)	50-765 mm 2.0-3.0 in	50-115 mm 2.0-4.5 in

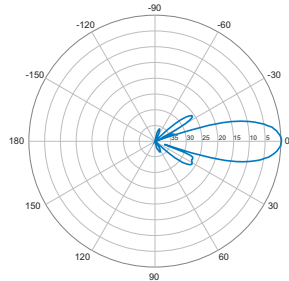


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

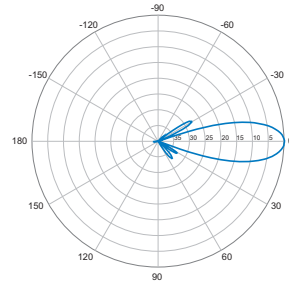
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1850-1990 MHz



Horizontal



Vertical

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