



ARC-IA2416B02

ARC IES™ Panel Antenna 2.3-2.5 GHz 16dBi



- Fits ARC IES™ Enclosure Solutions - Sold Separately
- High gain, low cost circuit design
- US Engineered
- Manufactured under strict US quality control procedures
- Low profile and rugged design for outdoor use
- Custom Enclosures available

Electrical Specifications

Frequency Range	2.3-2.5 GHz
Gain (Typ)	16.0dBi
Polarization	Single Linear – Vertical or Horizontal
3dB Beamwidth Vertical/ Horizontal	25 degrees/ 27 degrees
VSWR	≤1.5:1 typ, ≤1.7:1 max
Front-to-Back Ratio	>30 dBi

Cross Polarization	>20 dBi
Power Rating	6 watts
Impedance	50 ohms
Lightning Protection	DC Ground
Connector Type	R/A SMA Jack

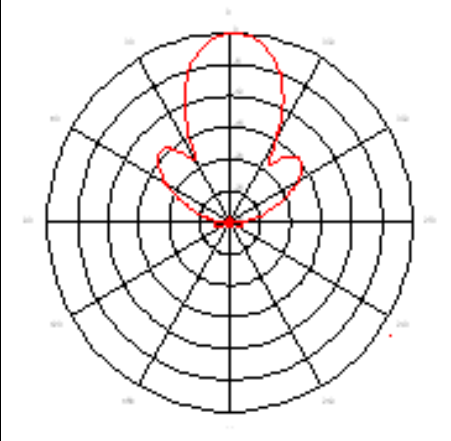
Physical/Environmental Specifications

Length x Width x Depth	10.4 x 10.4 x .49in (26.4 x 26.4 x 1.2cm)
Weight	1.3 lbs (.61kg)
Backplane	Aluminum
Enclosure	Powder-coated die-cast aluminum,
Radome	UV stabilized ABS plastic, gray

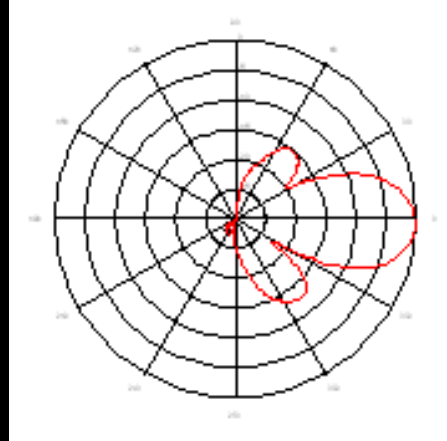
Wind Survivability	125mph (201kph)
Wind Load	.75ft ² (0.069m ²)
Operating Temperature	-49°F to 149°F (-45°C to 65°C)
Pole Mount Diameter	0.75in to 3.0in (1.9cm to 7.6cm)

Antenna Patterns

RF Patterns
Vertical Cut, Typ.



RF Patterns
Horizontal Cut, Typ.



Shipping Information

Size	13 x 12 x 12in (33.0 x 30.5 x 30.5cm)
Weight	16 lbs (7.26kg)
Description	Packaging includes 10 antennas in an over pack box

*These reflect standard box sizes for palletized shipments. Over pack boxes will be required for air and ground shipments.

Ordering Information

Part Number	ARC-IA2416B01
Description	Panel, 2.3-2.5 GHz, 16dBi, Single Pol, R/A SMA Jack, ARC IES™ Enclosure Mount