



**EM-B42001-NJ**  
**EM-B42002-NJ (PIM RATED)**  
**Wide Band iDAS**  
**Indoor Ceiling Mount Antenna**  
**698-6000 MHz**

- Plenum Rated Construction
- Mounts through any Ceiling Panel, conductive or non-conductive, up to 1-3/8 in. (35mm) thick
- Vertically Polarized
- Mounting Hardware Included
- PIM Rated <-150 dBc (EM-B42002-NJ)

### Electrical Specifications

Frequency Band	698-6000 MHz	
VSWR	698-760 MHz	<1.8:1 typ., 2:1 max.
	760-3700 MHz	<1.5:1 typ., 1.6:1 max
	3700-6000 MHz	2:1 max.
Impedance	50Ω	
Gain	698-960 / 1710-2100 / 2100-2700 MHz	2 dBi / 3 dBi / 3.5 dBi, typical
Gain	3500-3700 / 5200-5900 MHz	2.5 dBi / 3 dBi, typical
Radiation Pattern Coverage	Omnidirectional	
Polarization	Vertical	
Power Handling	50 W	
PIM Rating (2x43 dBm)	<-150dBc (EM-B42002-NJ)	

### Mechanical Specifications

Height, As Mounted	4.5 in. (114.3 mm)	
Diameter	8 in. (203 mm)	
Mounting Hole Dia.	0.7 in. (18 mm)	
Mounting Surface Thickness (max)	1.375 in. (35mm)	
Weight (Installed)	0.75lb. (0.34kg)	
Mounting Application / Type	Direct Ceiling Mount, Thru-Hole	
Mounting Bracket, Twist Lock Type	EMBKT-IDAS40004 (optional, sold separately)	
Connector Type	N Type, Jack	
Cable Type, Length	RG-141 Teflon Type, 10 in.( 254mm)	
Operating Temperature Range	-40° to 85° C	

Specifications subject to change without notification.