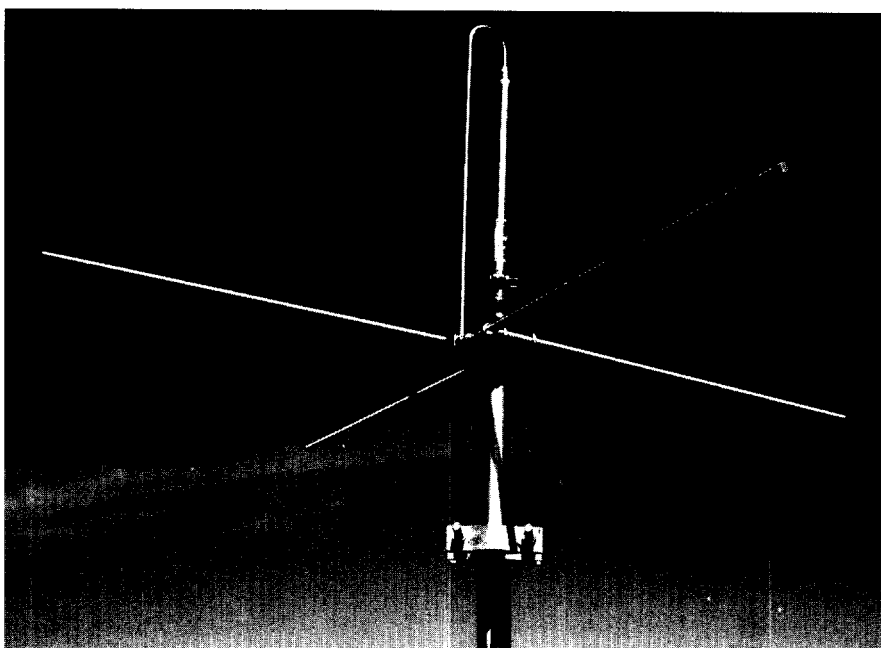


- **Very Popular** – Heavy duty, light weight antenna is one of our most widely used.
- **Unique Design** – Features a new approach to the feeding of the insulated portion of the radiator.
- **Moisture Resistant** – 50-ohm feed-through connector is encapsulated in a moisture and corrosion proof molded epoxy insulator.
- **Cut and Tested** – The radiating element and ground radials are cut to frequency and tested at the factory for minimum VSWR. Uncut models for 30-50, 144-174 and 406-512 MHz are optional. Cutting chart is included.
- **Lightning Resistant** – Constructed of metal with all elements operating at DC ground.
- **Protected Lead** – A male-to-female connection is weather protected but can be replaced if necessary.
- **New** – 30-50 MHz models have galvanized steel support pipe.
- **Easy Mounting** – Galvanized steel DB365-OS Mount is furnished for mounting atop a tower, pole or building.

Ordering Information – Use model number for correct frequency or specify uncut model and frequency range, also termination if non-standard. Order jumper cable separately, if desired.



DB201

Electrical Data	
Frequency Ranges – MHz A = 30-33, B = 33-37, C = 37-42, D = 42-50, E = 60-88, F = 100-144, G = 144-150, H = 150-174, J = 225-406, JJ = 220-222, K = 406-512	
Uncut models: L = 30-50, M = 144-174, N = 406-512	
Bandwidth	2% of frequency
VSWR	1.5 to 1 or less
Nominal impedance – ohms	50
Gain (over half-wave dipole) – dBd	Unity
Maximum power input – watts	500
Vertical beamwidth (half power points)	78°
Lightning protection	Direct ground
Standard Termination: Captive Type N-male to end of flexible lead.	

Mechanical Data				
	35 MHz	50 MHz	150 MHz	450 MHz
Radiator (aluminum) – in. (mm)	.875 (22.23) OD with .125 (3.18) wall	.875 (22.23) OD with .125 (3.18) wall	.875 (22.23) OD with .125 (3.18) wall	.875 (22.23) OD with .125 (3.18) wall
Ground rods (aluminum) – in. (mm)	& .375 (9.35) OD solid rod .5 (12.7) OD solid rod tapered to .250 (6.35) OD	& .375 (9.35) OD solid rod .5 (12.7) OD solid rod tapered to .250 (6.35) OD	& .375 (9.35) OD solid rod .5 (12.7) OD solid rod	& .375 (9.35) OD solid rod .5 (12.7) OD solid rod
Support pipe – in. (mm)	1.31 (33.34) OD, 24 (609.6) length	1.31 (33.34) OD, 24 (609.6) length	1.31 (33.34) OD, 12 (304.8) length	1.31 (33.34) OD, 12 (304.8) length
Maximum exposed area (flat plate equivalent) – ft ² (m ²)	1.1 (.102)	0.8 (.074)	.4 (.037)	.3 (.028)
Wind rating*:				
Survival without ice – mph (km/hr)	93 (150)	122 (196)	125 (201)	125 (201)
Survival with .5" (12.7 mm) radial ice – mph (km/hr)	51 (82)	65 (105)	125 (201)	125 (201)
Lateral thrust at 100 mph (161 km/hr) – lbf (N)	44 (195.7)	32 (142.3)	16 (71.2)	12 (53.4)
Overall length – in. (mm)	101 (2.57)	78 (1.98)	30 (.76)	19 (.48)
Height (above base plate) – in. (m)	77 (1.96)	54 (1.37)	18 (.45)	6.5 (.17)
Maximum width (horizontal) – in. (m)	216 (5.49)	151 (3.84)	49 (1.24)	15 (.381)
Net weight (w/clamps) – lbs. (kg)	25 (11.34)	23 (10.43)	10 (4.54)	6 (.152)
Shipping weight (w/clamps) – lbs. (kg)	35 (15.88)	31 (14.06)	14 (6.35)	9 (.229)
Mounting clamps (Galvanized steel)	DB365-OS	DB365-OS	DB365-OS	DB365-OS

*Calculation of wind survivability does not include damage due to flying debris.