

ARA-2245 Omni-directional Communications Antenna

The ARA-2245 antenna is a single-band, omni-directional, vehicular communications antenna. This is a ground plane independent antenna designed to maintain high gain over a -10 to +10 degree range of elevation angles. The maximum azimuthal gain variation is +/-1 dB. Broadband, low VSWR ensures no power reduction in mobile or vehicular amplifiers.

The sealed radome offers both mechanical stability and environmental protection for the antenna when it is deployed. The antenna is fastened onto a heavy duty spring mount with the NATO 4-hole bolt pattern to minimize high velocity impacts. Lightweight materials enhance the antenna's flexibility and

ELECTRICAL SPECIFICATIONS:

Frequency	225 - 450 MHz
VSWR	< 2.0 : 1 typical
VSWR	3.0:1 max
Gain	0 – 3.5 dBi
Power	150 Watts CW
Input Impedance	50 Ohms
High Voltage Isolation	>25 KV
Ports	J1
Connector	TNC

MECHANICAL SPECIFICATIONS:

Weight (vehicular)	5 lbs. (2.3 kg)
Height	63 in (1.6 m)
Diameter	1.625 in (41 mm)
Mount (vehicular)	NATO 4-hole
Finish	CARC Green, Tan, Black
Temperature	-30° - 50° C
Spring	>40,000 flexures at 60° 4,000 flexures at 90°



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