

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR ULTRA HIGH FREQUENCY

VAS-4245 VEHICULAR DIPOLE ANTENNA

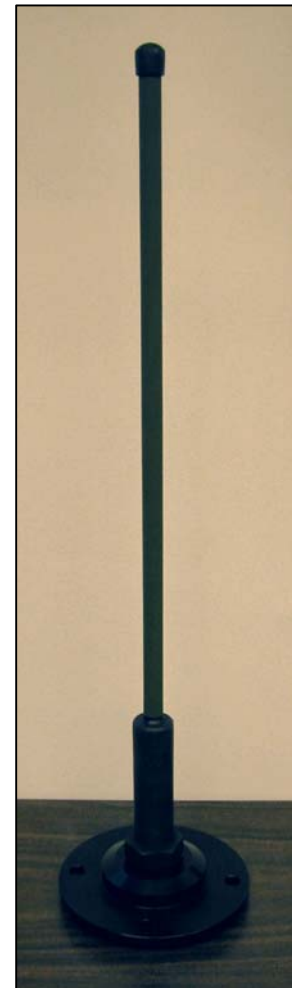
VALCOM'S VAS-4245 DIPOLE ANTENNA IS A RUGGED VEHICULAR ANTENNA DESIGNED TO COVER THE FREQUENCY RANGE OF 420-450MHz. THE VAS-4245 IS IDEALLY SUITED FOR MILITARY RADIOLOCATION APPLICATIONS.

THE ANTENNA CAN HANDLE 100 WATTS PEAK ENVELOPE POWER AND 50 WATTS AVERAGE RF POWER OVER THE ENTIRE FREQUENCY RANGE WITH A VSWR OF LESS THAN 2.5:1. THE RF INPUT CONNECTOR IS AN SMA-TYPE RECEPTACLE LOCATED ON THE UNDERSIDE OF THE MOUNTING FLANGE.

THE VAS-4245 ANTENNA EASILY AND QUICKLY INSTALLS ON ANY VEHICULAR MOUNTING BRACKET UTILIZING A STANDARD NATO 4-HOLE BOLT PATTERN. OPTIONAL WALL-MOUNT AND MAST-MOUNT ADAPTORS ARE AVAILABLE.

FEATURES:

- BROADBAND
- LIGHTWEIGHT AND RUGGED
- RECEIVING OR TRANSMITTING
- MIL TESTED



VAS-4245

QUICK REFERENCE DATA

ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE	420 MHz TO 450 MHz
POLARIZATION	VERTICAL
POWER RATING	50 WATTS AVERAGE (200 W PEAK)
AZIMUTH PATTERN	OMNIDIRECTIONAL
ELEVATION PATTERN	3 dB BEAM WIDTH >25°
INPUT IMPEDANCE	50 OHMS (NOM)
VSWR	2.25:1 MAXIMUM
INPUT CONNECTION	SMA-TYPE FEMALE
GAIN (FREE SPACE)	2 dBi (\pm 1 dB)

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	23 IN (58.4 CM)
ANTENNA WEIGHT	2.2 LBS MAX (1.0 kg)
MOUNTING FLANGE	STANDARD NATO 4-HOLE PATTERN
OPERATING TEMPERATURE	-40°C (-40°F) TO +60°C (140°F)
FINISH	CARC GREEN
VIBRATION	MIL-STD-810, METHOD 514.2
SHOCK	MIL-STD-810, METHOD 516-2
HUMIDITY	MIL-STD-810, METHOD 507

