



SPECIALISTS FOR VERY HIGH FREQUENCY

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# VGPA30-108 Ground Plane Antenna

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NSN 5985-20-000-2950

VALCOM'S VGPA30-108 ANTENNA IS A GROUND PLANE ANTENNA DESIGNED TO OPERATE IN THE VHF FREQUENCY BAND FROM 30 MHz TO 108 MHz. THE ANTENNA'S INTERNAL LOADING COIL AND ADJUSTABLE VERTICAL ELEMENT PROVIDE VERTICALLY POLARIZED, OMNIDIRECTIONAL RADIATION IN THE AZIMUTH PLANE WITH AN AVAILABLE POWER HANDLING CAPABILITY OF 80 WATTS.

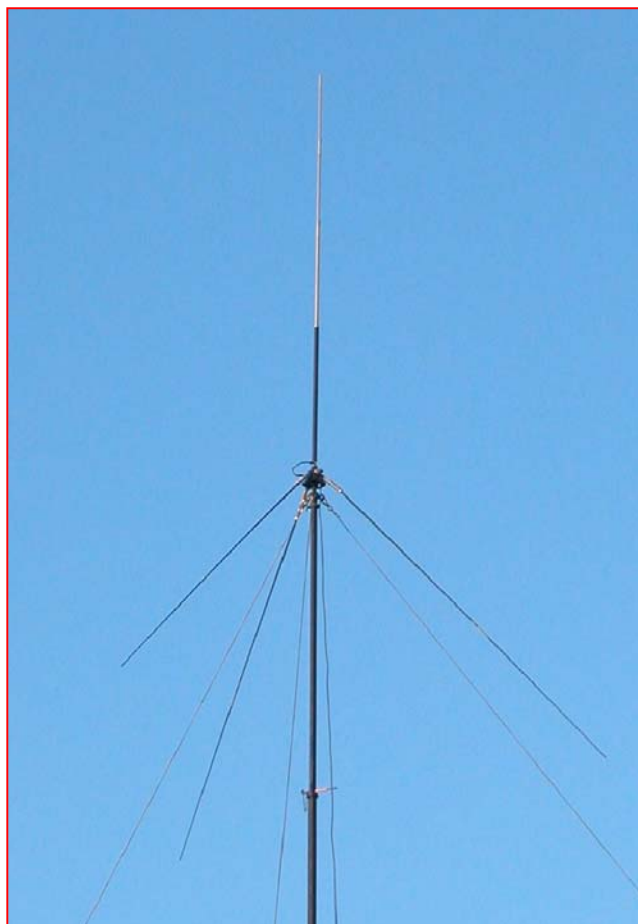
THE VGPA30-108 BOASTS A MAXIMUM VSWR OF 3.0:0 ACROSS THE OPERATING BAND. HOWEVER, BY ADJUSTING THE FOUR TELESCOPING SECTIONS OF THE ELEMENT, EFFICIENT, LOW- POWER TRANSMISSIONS CAN BE ACHIEVED WITH AN AVERAGE VSWR OF 2.0:1. THE ANTENNA ALSO OPERATES WELL, UNADJUSTED, FOR USE IN BROADBAND RECEIVING AND SCANNING APPLICATIONS.

THE VGPA30-108 IS LIGHTWEIGHT, RUGGED AND QUICK AND EASY TO ASSEMBLE, WHICH MAKES IT IDEAL FOR MOBILE OR TEMPORARY FIELD COMMUNICATION APPLICATIONS. ITS DESIGN ALLOWS FOR MOUNTING ATOP A VIXAM-40 TELESCOPING MAST, ALTHOUGH THE 7/8 INCH SPIGOT CAN BE INSTALLED JUST ABOUT ANYWHERE.

DURING TRANSPORT OR STORAGE, THE VGPA30-108 EFFICIENTLY COLLAPSES FOR STORAGE WITHIN A RUGGED, COMPACT CANVAS SACK.

#### FEATURES:

- QUICK ASSEMBLY
- LIGHT-WEIGHT
- EASY FREQUENCY ADJUSTMENT
- VEHICULAR APPLICATIONS
- RECEIVING OR TRANSMITTING MODES



# QUICK REFERENCE DATA

## VGPA 30-108

### ELECTRICAL

FREQUENCY	30 MHz TO 108 MHz
POLARIZATION	VERTICAL
RADIATION PATTERN	OMNIDIRECTIONAL IN THE AZIMUTH PLANE
IMPEDANCE	50 OHMS (NOMINAL)
VSWR	LESS THAN 3.0:1
POWER HANDLING	80 W MAX
INPUT CONNECTOR	BNC TYPE

### MECHANICAL

WEIGHT	7.16 lbs (3.2 kg)
MOUNTING POST	7/8 INCH [2.2 CM] DIAMETER X 5 INCH [11.9 CM] LONG
MAXIMUM OCCUPIED AREA	51.6 SQ FT (4.8 SQ M)
FULL EXTENDED HEIGHT	11.0 FT (3.33 M)

