

LB2245HH

UHF manpack blade, monopole, 0.31 m, 225–512 MHz

Tactical Antennas: Handheld and Manpack



General Description

UHF whip monopole broadband antenna designed to equip handheld radio.

It operates in transmit-receive mode from 225 to 512 MHz via broadband base matching unit.

The antenna is made of the following components:

1. Matching unit box
2. Flexible whip

The antenna is designed ergonomically to provide the minimum hazard to operating personnel under normal operating conditions. All contact areas are at a level of voltage which is not a hazard to personnel.

With respect to the danger represented by chemicals or radioactivity dusts, the antenna includes as many smooth surfaces as possible and as few porous materials as feasible.

No paint is used. The metal parts are given a covering to protect them from corrosion.

Electrical Specifications

Frequency Range	225 – 512 MHz
Polarisation	Vertical
Connection	TNC plug
Characteristic Impedance	50 Ω
Standing Wave Ratio*	VSWR ≤ 3:1 225 – 450 MHz VSWR ≤ 3.5:1 450 – 512 MHz
Power Strength	The antenna resists an incident power of 16W during 30 minutes at a temperature of 70°C
*Antenna mounted on a dummy portable radio	

Environmental Specifications

Temperature Range (Operational and Storage)	- 40°C to + 70°C
Relative Humidity	95% RH
Salt Fog	96 hours
Immersion	1 m
Shock	3 shocks per axis and per direction
Free Fall	26 falls of the equipped portable radio (antenna + radio + batteries) from 1.2 m onto 5 cm fir board

Dimensions

Length	≤ 315 mm
Length of Rigid Part	≤ 80 mm
Weight	≤ 100 g

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All specifications are subject to change without notice

The information contained herein is for reference only and does not constitute a warranty of performance

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