



01 / CAPABILITY OVERVIEW

VPJ-3

VPJ-3 vehicle protection jammer



FIG 01 PRODUCT CONFIGURATION

**BL1 100 - 800 MHz; BL2
800 - 2000 MHz; BL3
2000 - 2500 MHz**

FREQUENCY RANGES

**5-10 meters of vehicle
surroundings (depending
on signal strength at site)**

EFFECTIVE JAMMING RADIUS

**30 dBm for all bands
independently**

OUTPUT POWER

9 Vdc to 36 Vdc

POWER SUPPLY

01.1 / OVERVIEW

A vehicle-mounted jamming unit for protection against radio-controlled improvised explosive devices and unauthorised use of cellular communication devices, covering three bands from 100 MHz to 2500 MHz with three omnidirectional antennas and jamming within a 5-10 metre radius of the vehicle.

TYPE

Jammer

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

VPJ-3 / TECHNICAL EQUIPMENT

PERFORMANCE

Frequency ranges	BL1 100 - 800 MHz; BL2 800 - 2000 MHz; BL3 2000 - 2500 MHz
Antenna frequency ranges	ANTENNA1 100 - 800 MHz; ANTENNA2 800 - 2000 MHz; ANTENNA3 2000 - 2500 MHz
Operated temperature range	-20°C to +60°C

INTERFACES AND OPERATION

Output power	30 dBm for all bands independently
Max. power	1 Watt (CW) per band at 50°C
Connector	SMA-female
Power supply	9 Vdc to 36 Vdc

PHYSICAL DATA

S.W.R. in bandwidth	≤ 3.0:1 from 100 to 800 MHz; ≤ 2.0:1 from 800 to 2500 MHz
Dimensions	ANTENNA1 1200 x Ø30 mm; ANTENNA2 260 x Ø30 mm; ANTENNA3 260 x Ø30 mm; JAMMER UNIT 300 x 220 x 100 mm

ADDITIONAL TECHNICAL DATA

Synthesizer type	digital
Jamming signal type	fast CW sweep signal, chirp (sweep time as low as 20 µsec)
Antenna system	three omni antennas
Impedance	50 Ω unbalanced
Polarization	linear vertical
Gain	2.15 dBi
Consumption	40 VA
Effective jamming radius	5-10 meters of vehicle surroundings (depending on signal strength at site)
Bands blocked	up to three frequency bands simultaneously and independently
Remote control	optional



CONFIGURATION VIEWS

VPJ-3 / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / Rear antenna ports

