

V100 VHF Specifications

Transmitter

Output Power (High).....	2.5Watts
Output Power (Low).....	1Watt
Modulation.....	±5kHz(max) FM
Emission Designator.....	16K0G3EJN
Pre-Emphasis.....	.dB/octave (300Hz to 3kHz)
Spurious Emissions.....	<0.25µWatt

Receiver

Sensitivity (20dB SINAD).....	-117dBm
Audio Output Power.....	0.4W
Adjacent Channel Rejection.....	>70dB
Intermodulation Rejection.....	>68dB
Spurious Response Rejection.....	>70dB
Spurious Emissions.....	<2nWatt

General

Number of channels (GMDSS: simplex only).....	21
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Battery

Primary.....	Lithium
Chemistry.....	Lithium/Iron Disulfide (Li/FeS ₂)
Operational Lifetime (10% Tx:10% Rx:80% Squelched).....	>16hours
Replacement interval.....	5years
Rechargeable.....	Lithium Polymer

Environmental

IEC60945 Category.....	Portable
Operating Temperature Range.....	-20°C to +55°C
Storage Temperature Range.....	-30°C to +70°C
Humidity.....	93% @ +40°C
Waterproof.....	1metre for 30minutes
Thermal Shock.....	100mm with 55°C drop for 1hour
Drop proof (onto hardwood surface).....	1metre (6 faces)

Dimensions

Height	
Body only.....	113mm
Width.....	68mm (76mm inc. battery tab)
Depth.....	47mm

Standards and Approvals

(All approvals pending)

Approval Standards (GMDSS)

IMO regulations.....	A.694(17); MSC.149(77)
VHF.....	IEC61097-12
EMC.....	IEC60945
European approval.....	Marine Equipment Directive A.1/5.17
USA standards (GMDSS).....	CFR47 part 80.1101

(All specifications subject to change without notice)