



IC-F27SR

PMR446 FM TRANSCEIVER

High Performance, Professional Licence Free Radio

Outstanding audio quality, high performance and strong commercial build quality make the IC-F27SR the ideal licence free radio. Ideal for users in diverse areas such as construction, catering, event management, shopping centres, factories, farms as well as serious outdoor enthusiasts.

Up to 55 Hours of Operating Time

The IC-F27SR features highly efficient circuitry, providing up to a massive 55 hours of operating time* with the supplied BP-299 3150 mAh lithium-ion battery pack. This means it can be comfortably last an entire shift.

* Tx: Rx: Stand-by =5: 5: 90 with power save ON.



Outstanding Audio Quality

800 mW audio output is provided from the large 45 mm speaker meaning the IC-F27SR can deliver loud and intelligible audio even in extremely noisy environments such as a busy shop floor or construction site.



Just Three Main Controls

Transmit button, volume control and channel selector. This simple to use radio is ideal for high turnover environments and shift work where the radio is constantly passed from person to person.

Lightweight, Compact Body

Small size (58 x 186 x 36.5 mm) and lightweight (290 g) makes this transceiver ideal for all users.

Commercial Grade Construction

The IC-F27SR is extremely rugged. It has been tested to 11 categories of environmental military standards for dust protection and water resistance making it ideally suited for outdoor use.

Internal VOX for Hands-free Operation

Built-in VOX function provides convenient hands-free operation, when used with our optional headset adapter cable.

500 mW Output Power

Provides a wide communication coverage.



OTHER FEATURES

- CTCSS and DTCS encoder and decoder for group call
- Surveillance function turns off the LED and beep sound
- Siren function can be used for security alarm
- Power save function
- Low battery Alert
- Time out timer
- Monitor function

SPECIFICATIONS

Frequency coverage	446.00625–446.09375 MHz 8 PMR 446 allocated channels
Channel spacing	12.5 kHz (8K50F3E)
Current drain (approx.)	
TX	400 mA
RX Max. audio	330 mA (Internal SP)
Operating temperature range	–25°C to +55°C (Radio only)
Frequency stability	±2.5 ppm
Output power (at 7.2V DC)	500 mW (ERP)
Ext. microphone connector	3-conductor 2.5 (d) mm/2.2 kΩ
Sensitivity (at 20dB SINAD)	26.5 dBμV/m emf
Audio output power	(at 5% distortion)
Internal speaker	800 mW typ. (With 12 Ω load)
External speaker	400 mW typ. (With 8 Ω load)
Ext. speaker connector	2-conductor 3.5 (d) mm/8 Ω

Applicable U.S. Military Specifications & IP Rating

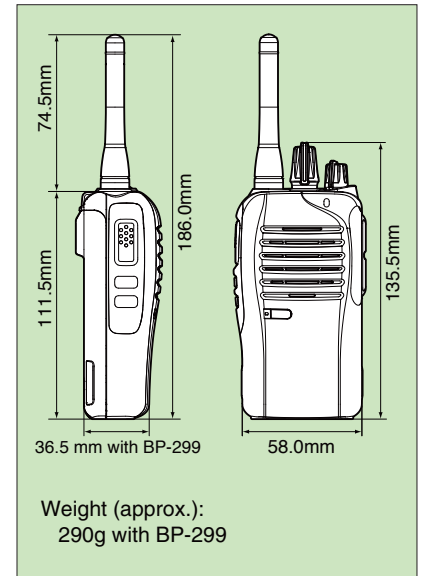
Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	–
Salt Fog	509.4	–
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

Ingress Protection Standard	
Dust & Water	IP54 (Dust-protection and water resistant)

Measurements made in accordance with EN 300-296. All stated specifications are subject to change without notice or obligation.

DIMENSIONS & WEIGHT



SUPPLIED ACCESSORIES

- Li-ion battery pack, BP-299
- Belt clip, MB-124
- Battery charger, BC-240
- AC adapter, BC-242

OPTIONAL ACCESSORIES

Some options may not be available in some countries. Please ask your dealer for details.

BATTERY CASE and BATTERY PACK

BP-263
LR6 (AA)
batteries × 6

BP-299
Li-ion, 7.2V
3050 mAh (min.)
3150 mAh (typ.)

RAPID CHARGER

BC-242 **BC-240**

Charges the BP-299 in 4.6 hours (approx.).
The BC-242 is supplied with the BC-240.

MULTI-CHARGER

BC-214N (#28)* **BC-157S**

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES

CP-23L
For use with BC-240

OPC-515L
For use with BC-240

OPC-656
For use with BC-214N

HEADSETS and PLUG ADAPTER CABLE

HS-94 **HS-95** **HS-97** **OPC-2004**

Earhook type Neck arm type Throat type Required when using any of these headsets

SPEAKER-MICROPHONES

HM-158LA **HM-159LA**

- EARPHONE**
- SP-27 Tube Earphone
- BELT CLIP**
- MB-124 Alligator type belt clip. Same as supplied.

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