## JRC 406MHz SATELLITE EPIRB

**Emergency Position Indicating Radio Beacon** 



JQE-3A

Designed in compliance with the carriage requirements for the GMDSS



## ■FEATURES

- The emergency transmission on 406MHz includes a digitally encoded message containing the ship's identity and nationality, thereby enabling an RCC to quickly catch the distress information.
   The ship's location can be determined with an accuracy of 2 to 5km.
- The JQE-3A incorporates a 121.5MHz emergency transmitter to emit a homing signal to the search and rescue aircraft in the immediate vicinity of the ship in distress.
- The JQE-3A is automatically released from the float-free release bracket under water pressure at a depth of less than 4 meters to float to the surface for continuous emissions for 48 hours or more with automatic flashing of the strobelight.
- Provision is made to prevent faulty signal emissions so that automatic signal emissions are available only in the floating state of the buoy. In event of distress, however, the buoy can be operated manually by a simple switch operation.
- The JQE-3A is of compact, lightweight, watertight and rugged design. It can easily be mounted on a bulkhead and even when it is thrown into water from a height of 20 meters, it can normally work.
- The battery life of the JQE-3A is improved to extend the battery's replacement up to 5 years.
- The water pressure sensor is of non-destructive type which can be repeatedly used. Its replacement period is 4 years.

## ■ SPECIFICATIONS

Operating frequency:  $406.025 \pm 0.002 MHz$ 

Frequency stability:  $2 \times 10^{-9}$  100msec or less (short-term)

Output power: 5watts ± 2dB

**Modulation**: Phase modulation  $(1.1 \pm 0.1 \text{ radian peak})$ 

Homing transmitter

Frequency: 121.5MHz

Output power: 50mW at 50-ohm load Modulation: Amplitude modulation

Antenna: Vertical whip

Battery type: Lithium (term of validity: 5years)

Operating life: 48 hours (or more)
Activation methods: Automatic and manual

Strobelight

Effective intensity: 0.75 candela or more (effective)

Flash rate: 20 to 30 times/minute

Digital message

Repetition rate:  $50 \sec \pm 5\%$ 

Transmission time: 440msec ± 1% (short message)

Temperature range

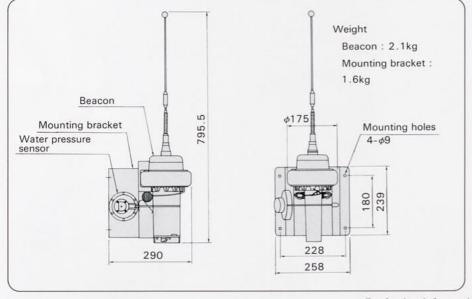
Operating:  $-20^{\circ}\text{C to } +55^{\circ}\text{C}$ Storage:  $-30^{\circ}\text{C to } +70^{\circ}\text{C}$ 

(COSPAS/SARSAT class-2)

Mounting bracket: Float free type with hydrostatic release

## **■DIMENSIONS & WEIGHT**

Specifications may be subject to change without notice.





For further information, contact:



Japan Radio Co., Ltd.

URL http://www.jrc.co.jp/

Main Office: Akasaka Twin Tower(Main), 17-22, Akasaka 2-chome, Minato-ku, Tokyo 107-8432, JAPAN

Telephone: Tokyo(03)3584-8788 Facsimile: Tokyo(03)3584-8795

Telex: 2425420 JRCTOK J Cable: JAPANRADIO TOKYO

Overseas Branches: Seattle, London

Liaison Offices: Kaohsiung, Manila, Bangkok,

Singapore, Jakarta, New Delhi, New York, Rotterdam,

Piraeus, Las Palmas

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