



# 406MHz SATELLITE EPIRB

Emergency Position Indicating Radio Beacon

## JQE-103



Designed in compliance with the carriage requirements for the GMDSS



- 406MHz for Satellite, 121.5MHz for Homing
- Compact and lightweight
- Easy installation and flexible mounting
- High reliability design
- MED type approval



*Japan Radio Co., Ltd.*

# JQE-103

## ● General Specifications

<b>Antenna</b>	
· Polarization	Vertical whip
· VSWR	1.5 or less
· Impedance	50 Ω
<b>Battery</b>	
· Type	Li/MnO <sub>2</sub>
· Voltage	8.4V (Term of validity:5 years)
<b>Release Sensor</b>	Made by Hammar (Term of validity:2 years)
<b>Activation</b>	Automatic and manual
<b>Deactivation</b>	Set 'Select Switch'to 'READY'. and pick up the beacon unit from sea water.
<b>Operating Temperature</b>	48 hours (or more)
	Operating -20 deg C ~ +55 deg C
	Storage -30 deg C ~ +70 deg C
<b>Beacon Unit</b>	
Dimension	529(H)×120(W)×116(D)mm
Mass	1.3kg Approx.
<b>Automatic Release Unit</b>	
Dimension	585(H)×175(W)×116(D)mm
Mass	2.9kg Approx

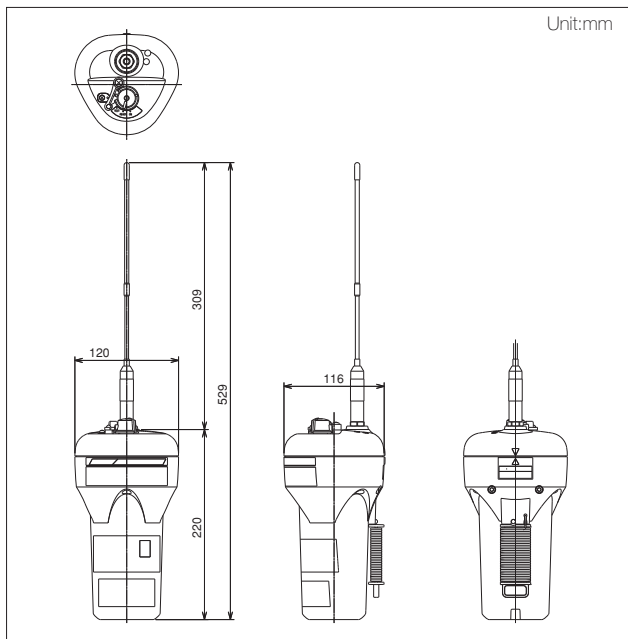
## ● 406.028MHz Specifications

<b>Frequency</b>	406.028MHz ±2kHz
<b>Stability</b>	
· Short Term	2 × 10 <sup>-9</sup> / 100msec
· Medium Term	
Average	±1 × 10 <sup>-9</sup> / min
Residual	3 × 10 <sup>-9</sup>
<b>Output Power</b>	5W ±2dB
<b>Modulation</b>	Phase Modulation, ±1.1 ±0.1 radian
<b>Data Encoding</b>	Bi - L
<b>Sweep Timing</b>	50sec±5% (Randomization)
<b>TX Time</b>	440ms ±1%
<b>Baud Rate</b>	400bps ±1%

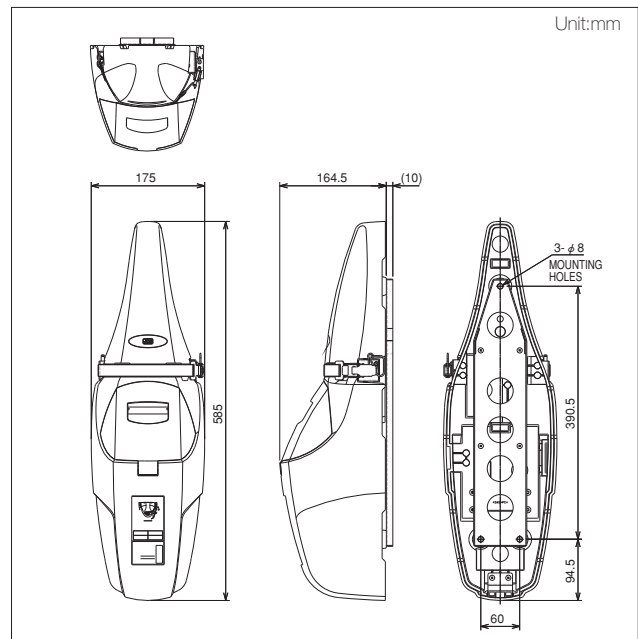
## ● 121.5MHz Specifications

<b>Frequency</b>	121.5MHz ±6.075kHz
<b>Output Power</b>	50mW ±3dB
<b>Modulation</b>	AM
<b>Sweep Tone</b>	300Hz ~1600Hz
<b>Sweep Rate</b>	2Hz ~4Hz

## ● Beacon Unit Outline



## ● Automatic Release Unit Outline



• Specifications may be subject to change without notice.

For further information, contact:

Manufactured by TAIYO MUSEN CO.,LTD.



Since 1915

**Japan Radio Co., Ltd.**

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