



Compliant with GMDSS Requirement

# SEP-406

## EPIRB

**EMERGENCY POSITION  
INDICATING RADIO BEACON**

- fully GMDSS compliant
- compact and light
- simple and safe to operate
- automatic float free housing
- totally watertight
- self-test



**SAMYUNG ENC Co.,Ltd.**

# 406MHz/121.5MHz

# EPIRB

# MODEL : SEP-406

SEP-406 EPIRB complies with CCIR, RTCM, COSPAS-SARSAT and GMDSS performance standards of IMO with transmitting frequencies of 406 MHz / 121.5 MHz.

SEP-406 EPIRB, which is designed to be watertight and for ease of installation, have a hydraulic release mechanism to release automatically by water pressure.

## SPECIFICATIONS

### GENERAL

- Material housing : ABS Plastic
- Strobe light : 20times per minute (min. 0.75 candela)
- Temperature : Operating  $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Battery : Lithium - 4 years service life
- Operating life : 48 hours at  $-20^{\circ}\text{C}$   
80 hours at  $+20^{\circ}\text{C}$
- Transmission time :  $440\text{ms} \pm 1\%$
- Repetition :  $50\text{s} \pm 5\%$
- Weight : 1.5kg

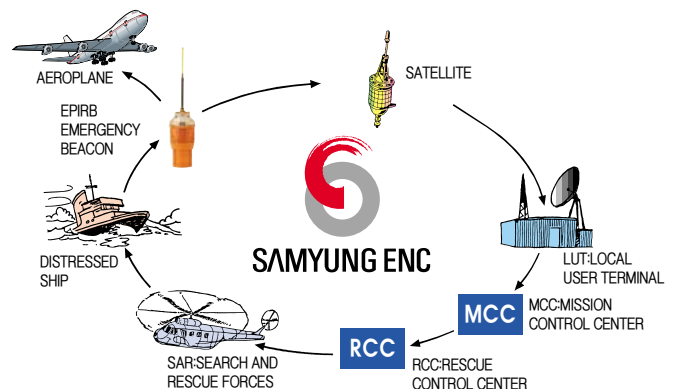
### 121.5MHz HOMING TRANSMITTER

- Frequency :  $121.5\text{MHz} \pm 10\text{ppm}$
- Output power :  $\geq 75\text{mW}$
- Radio type : A3 $\times$
- Modulation : AM, Sweep Tone from max 1600Hz to min 300Hz  
Sweep range :  $\geq 700\text{Hz}$   
Sweep rate : 2.5Hz

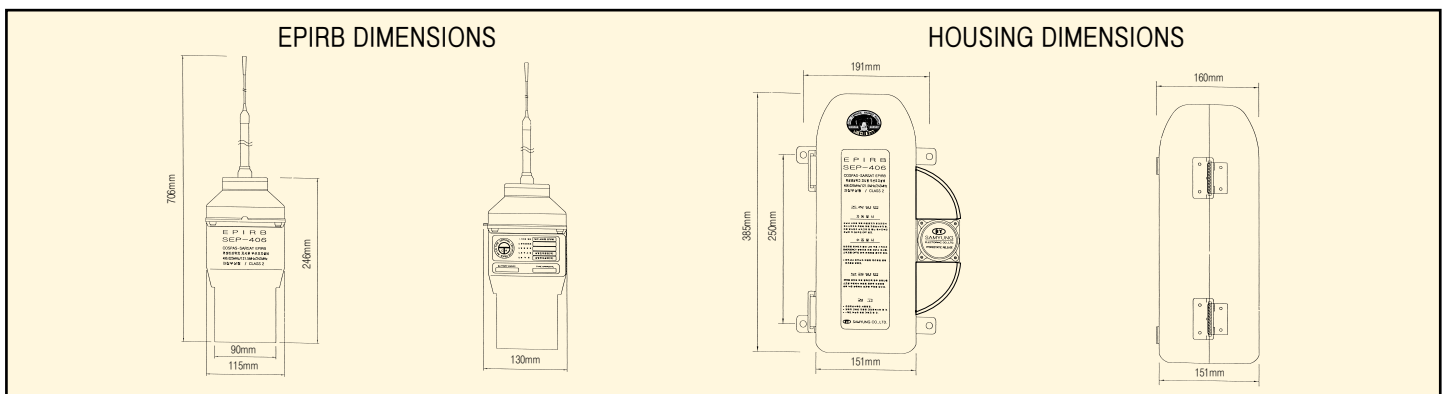
### 406MHz SATELLITE TRANSMITTER

- Frequency :  $406.025\text{MHz} \pm 2\text{ppm}$
- Output power :  $5\text{W} \pm 2\text{dB}$
- Radio type : G1B
- Modulation : Phase modulation  $1.1 \pm 0.1 \text{ rad}$
- Data encoding : Bi phase L
- Stability : Short term :  $\leq 2 \times 10^{-9}$   
Medium term :  $\pm 1 \times 10^{-9}$   
Residual noise :  $\leq 3 \times 10^{-9}$
- Bitrate : 400b/s
- Antenna : Omnidirectional Whip Antenna

## COSPAS/SARSAT BASIC CONCEPT



## DIMENSIONS



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