



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.

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°C
80 hours at $+20^{\circ}\text{C}$
- Transmission time : $440\text{ms} \pm 1\%$
- Repetition : $50\text{s} \pm 5\%$
- Weight : 1.5kg

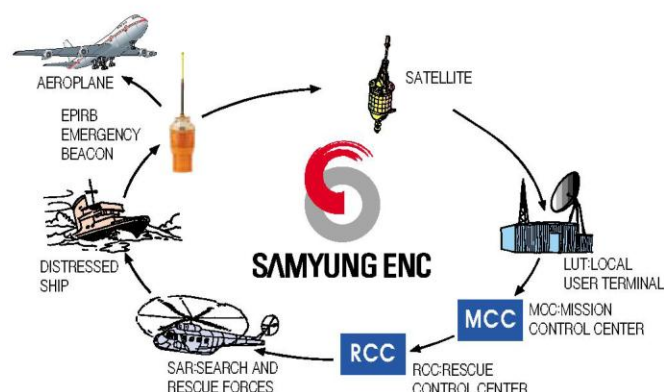
■ 121.5MHz HOMING TRANSMITTER

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

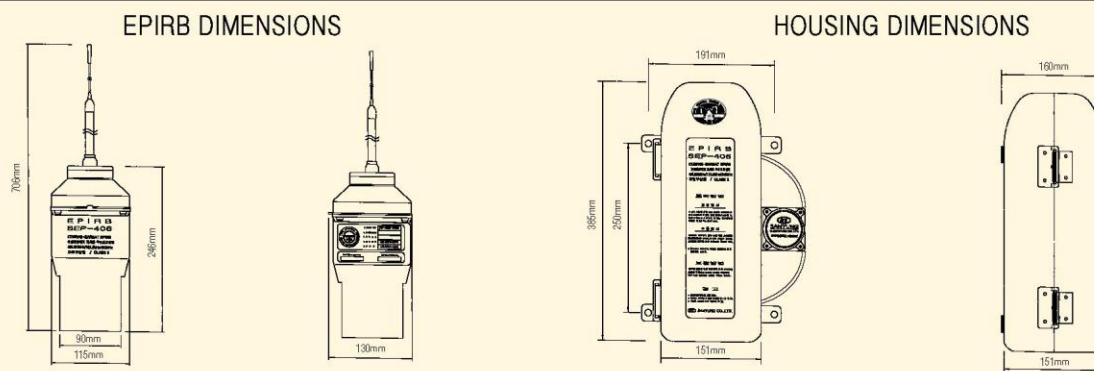
406MHz SATELLITE TRANSMITTER

- Frequency : 406.025MHz $\pm$ 2ppm
- Output power : 5W $\pm$ 2dB
- Radio type : G1B
- Modulation : Phase modulation 1.1 $\pm$ 0.1 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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