



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

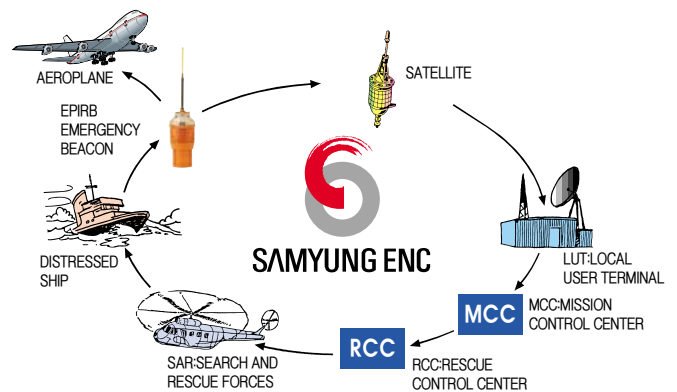
121.5MHz HOMING TRANSMITTER

- 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

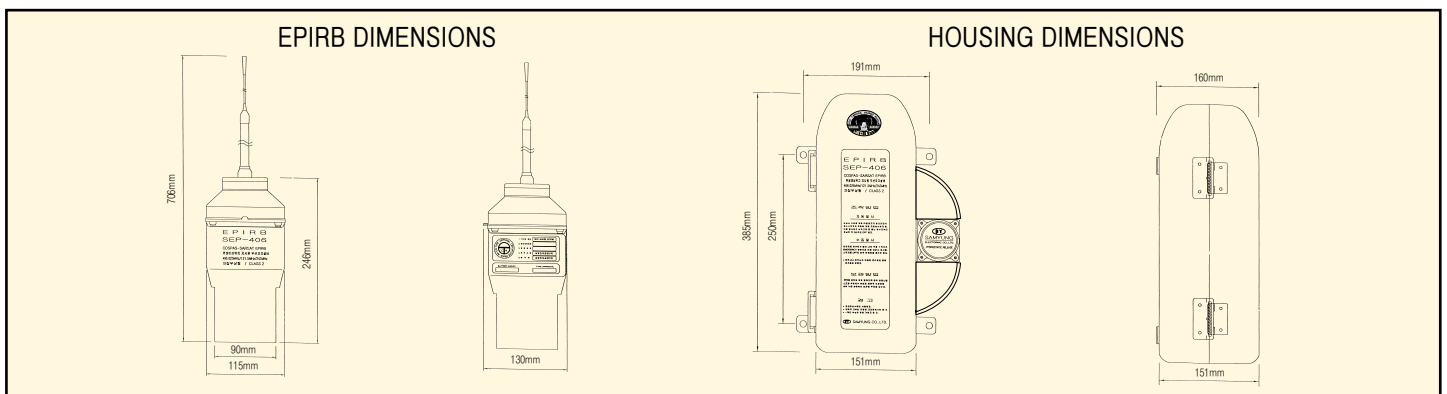
406MHz SATELLITE TRANSMITTER

- 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



SAMYUNG ENC Co.,Ltd.

Head Office : 1123-17, Dongsam-Dong, Youngdo-Gu, Busan, 606-083, Korea
 Tel : 82-51-601-6666(Rep.) Fax : 82-51-412-6616
 Marketing & Service : 65-20, 2-Ga Namhang-Dong, Yungdo-Gu, Busan, 606-032, Korea
 Tel : 82-51-601-5530(Rep.) Fax : 82-51-413-4446
 Http : //www.samyungenc.com



ISO 9002 / KS A 9002
 Certificate No. : QSC92073

