

SARBE 6-406[®]

Personal Locator Beacon



**Global emergency
communications for
Air, Sea and Land**

SARBE 6-406G

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SARBE 6-406G is the direct replacement for the popular SARBE 6 that has been in production since the 1970's. Although primarily used by Pilots and Aircrew, Personal Locator Beacons are also used widely within maritime and land environments giving personnel the ability to send a distress alert from anywhere on the earth's surface. Significant advancements in Personal Locator Beacon technology ensures that alerts now contain accurate identity and location information ensuring the correct authority can quickly be informed of the distress alert and subsequently make well informed and timely decisions on the rescue mission requirements.

Other 406MHz products available from SARBE.

SARBE G2R - Dual mode SAR & CSAR Personal Locator Beacon

SARBE 10 - Submarine Personal Locator Beacon

BE369-406 - Aerial Deployed Emergency Locator Marker ADELM.

Technical Specification

Key features

- COSPAS-SARSAT approved
- 406MHz global alerting
- 121.5MHz and 243MHz local homing
- Remote Antenna options
- Automatic Activation
- Integrated GPS
- Waterproof
- Two way speech
- Robust construction

Specifications

Power Output

• COSPAS-SARSAT	406.028MHz	5 watt power
• Homing signal	121.50MHz	100mw peak
• Homing signal (selectable)	243.00MHz	100mw peak

Modulation

• 406MHz	IAW COSPAS-SARSAT Docs T.001/T.007
• 121.5MHz/243MHz	Swept tone range 1600Hz to 300Hz Sweep rate @ 2-3hz Amplitude Modulation Modulation depth >85%

Range

• 406Mhz	Global via satellite
• 121.5MHz/243Mhz	Swept tone > 65km @ 1500m Voice > 40km @ 1500m

GPS

- 16 Channel C/A code, 1.575GHz providing WGS co-ordinates

Power

• Endurance	Greater than 24hrs @ -20°C
• Battery type	Lithium Manganese Dioxide
• Storage life	Five years

Size

• Dimensions	155mm x 78mm x 42mm
• Weight	630g including battery

Part Numbers

• SARBE part no.	101275
• NSN	5825 99 242 9238



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