



EPIRB3 Pro: Category 1 EPIRB with AIS, RLS, and NFC Mobile Connectivity



406MHz & 121.5MHz Signals



Visible Light and IR Strobe



MEOSAR Compatible



Integrated AIS Alert



Multi GNSS



Return Link Service (RLS Capable)

SPECIFICATIONS

406MHz Transmitter

Transmit Power (EIRP)	12W
Frequency	406.031 MHz \pm 1KHz
Modulation	Phase \pm 1.1 Radians (16K0G1D)
Encoding	Biphase L
Rate	400 bps

AIS Transmitter

Transmit Power (EIRP)	1Watt \pm 3dB
Frequency	161.975/162.025MHz \pm 500Hz
Baud rate	9600baud
Synchronisation	UTC
Messages	Message 1 (Position), Message 14 (Status)
Repetition interval	8 messages/minute - Message 14 sent twice every 4 minutes

Visible Strobe and Night Vision Lights

Light Type	High Intensity LED & Infrared (IR)
Light Colour	White and IR
Average Intensity Visible	>1 candela
Average Intensity Night Vision Light	15mW/sr
Flash Rate	24 per minute (nom.)

121.5MHz Transmitter

Transmit Power (PERP)	50mW \pm 3dB
Frequency	121.5 MHz
Modulation Duty Cycle	>35%
Modulation Factor	0.85 to 1.00
Frequency Stability	\pm 50ppm
Duty Cycle	>98%

Battery

Type	Lithium Iron Disulphide (LiFeS2)
Operating Time	>48Hours @ -20°C
Battery Replacement Period	10 years

GNSS Receiver

Satellite Channels	72 acquisition
Sensitivity	-167dBm
Cold Start / Re-acquisition	-148dBm / -160dBm
GNSS Antenna	Microstrip Patch



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