

SPECIFICATIONS & APPROVALS

ELECTRICAL CHARACTERISTICS	121.5/243.0 MHz
OPERATING FREQUENCIES	121.5 & 243.0 MHz +/- 0.005%
MODULATION DUTY CYCLE	33% MIN, 55% MAX
TRANSMITTER DUTY CYCLE	CONTINUOUS
PEAK EFFECTIVE RADIATED POWER (PERP)	Minimum 50mW (17dBm) for 50 hours at -20°C and +55°C
OCCUPIED BANDWIDTH	25 KHz Maximum
OPERATING TEMPERATURE	-20°C TO +55°C
AUTOMATIC ACTIVATION FOR ELT 110-4, 110-6 & 100HM	VELOCITY CHANGE OF 3.5 Ft./SECOND
AUXILIARY G-SWITCH ACTIVATION FOR ELT-100HM	5 AUXILIARY G-SWITCHES ACTIVATE AT 12 G's IN ADDITION TO THE MAIN G-SWITCH
ENVIRONMENTAL CHARACTERISTICS	121.5/243.0 MHz
TEMP (STORAGE)	-55°C TO +85°C
TEMP (OPERATING)	-20°C TO +55°C
ALTITUDE	55,000 FEET
VIBRATION	10Gs, 5Hz TO 2,000Hz
SHOCK TEST	500Gs FOR 4 mSec
CRASHWORTHINESS	100Gs FOR 23 mSec

HUMIDITY	95% FOR 50 HOURS
PENETRATOR DROP	55 LBS FROM 6 INCHES
CRUSH TEST	1,000 LBS
SPURIOUS EMISSIONS	AS PER CFR TITLE 47 (FCC) PART 87
ANTENNA	121.5/243.0 MHz
TYPE	VERTICAL MONOPOLE
RADIATION PATTERN	OMNIDIRECTIONAL
IMPEDANCE	50 OHMS NOMINAL AT 121.5 AND 243.0 MHz
OPERATING SPEED (AT SEA LEVEL)	110-324: 300 KNOTS 110-318: 350 KNOTS 110-330: 345 KNOTS 110-328-01: MACH 1
CABLE	RG-58 WITH BNC CONNECTORS
WEIGHTS	
ELT UNIT	
ELT 110-4 & 100HM	3 LB 7.4 OZ.
ELT 110-6	3 LB 9.5 OZ.
MOUNTING TRAY	7.4 OZ.
END CAP	3.7 OZ.
ANTENNA	
110-324	2.0 OZ.
110-318	5.5 OZ.
110-330	12.0 OZ. MAXIMUM
110-328-01	1 LB 3.2 OZ. MAXIMUM

MEASUREMENTS	
ELT UNIT	10.4" L x 3.1" H x 3.1" W
ELT WITH MOUNTING TRAY AND END CAP INSTALLED	11.74" L x 3.65" H x 3.82" W
ANTENNA 110-324	18.25" (BASE-TO-TIP HEIGHT)
110-318	13.75" (BASE-TO-TIP HEIGHT)
110-330	13.00" (BASE-TO-TIP HEIGHT)
110-328-01	09.00" (BASE-TO-TIP HEIGHT)
BATTERY SPECIFICATIONS	
TYPE OF CELL	ALKALINE-MANGANESE DIOXIDE
VOLTAGE	9.0 VOLTS
AMP HOUR RATING	6.0 AMP/HOURS
REPLACEMENT BATTERY PACK	PART NUMBER:
ELT 110-4	452-0130
ELT 110-6 & 100HM	452-0130-02

APPROVED BATTERIES AVAILABLE FROM ARTEX OR ANY DEALER

ARTEX AIRCRAFT SUPPLIES, INC.

14405 KEIL ROAD NE, AURORA, OREGON 97002

P.O. BOX 1270

CANBY, OREGON 97013

TEL (503)-678-7929, (800)-547-8901 FAX (503)-678-7930

E-Mail: info@artex.net

Web Site: www.artex.net

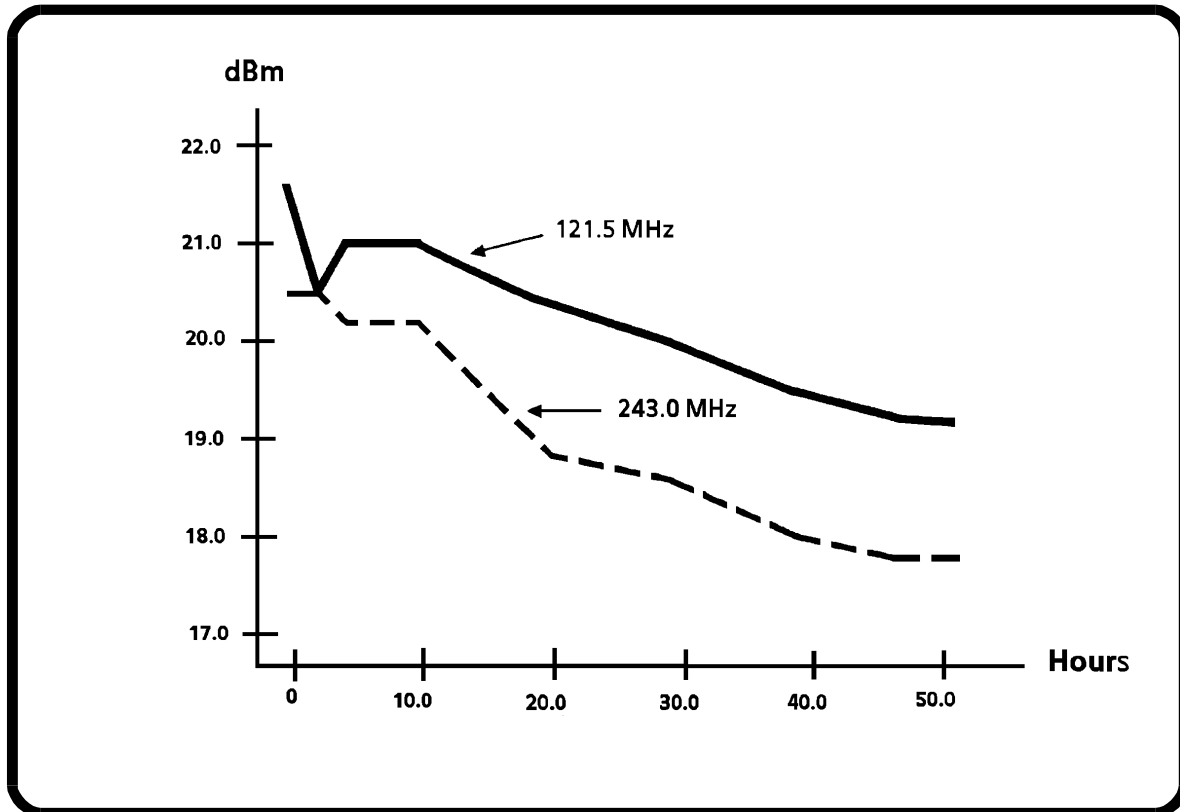


FIGURE 5-1 PERP* GRAPH: OUTPUT @ -20 DEGREES C/HOURS
*(Peak Effective Radiated Power)

5.1. ELT 110/100HM SERIES MODEL DESCRIPTIONS

- **ELT 110-4:** The ELT 110-4 is a **Type AF** (Automatic Fixed) ELT which transmits on 121.5 & 243.0 MHz. It is provided as a complete system which includes an installation kit, a remote cockpit switch, coax cable and fixed antenna.
- **ELT 110-6:** The ELT 110-6 is a **Type AF** (Automatic Fixed) and **Type AP** (Automatic Portable) ELT which transmits on 121.5 and 243.0 MHz. The ELT 110-6 is designed to be water proof as per RTCA/DO-183. It has a carrying lanyard and short portable antenna attached to the top cover of the ELT. The unit is designed

to be removed from its mounting tray and fixed antenna (AF mode) and transported away from the aircraft (AP mode). The portable antenna which is stowed in a pouch attached to the top cover of the ELT is intended to be attached to the BNC connector on the ELT. Once the antenna is connected, the ELT can be activated with the ON/OFF switch to start the emergency transmission. In cold environments hold the ELT against your body to enhance performance and extend operation time. The ELT is provided as a complete system which includes an installation kit, a remote cockpit switch, coax cable, fixed antenna and portable antenna.

- **ELT 100HM** : The ELT 100HM is a **Type AF** (Automatic Fixed) ELT which transmits on 121.5 and 243.0 MHz. It was developed for helicopter installations and features an additional 5 "G" switches allowing the ELT to be activated in any of six axes. It is recommended

that this ELT be mounted in a horizontal position parallel to the floor of the helicopter. The ELT is provided as a complete system which includes an installation kit, a remote cockpit switch, a coax cable and a fixed antenna.

5.2 APPROVALS:

ELT 110-4

- FAA TSO C91a [Environmental Categories: C1A/DO183/XXXXXXXXBBBBB]. TYPE AF
- FCC ID (FAR 47, PART 87): H4KARTEX110
- AUSTRIA
- AUSTRALIA
- BRAZIL CTA
- DOT CANADA
- DOC CANADA (121 474 017AF)
- FEDERAL REPUBLIC OF GERMANY LBA (Type Certificate Nr.: 10.915/8)
- JAPAN
- NEW ZEALAND
- SWITZERLAND
- UNITED KINGDOM CAA



ELT 110-6

- FAA TSO C91a [Environmental Categories: C1A/DO183/XXSXXXXBBBBB]. TYPE AF, AP
- FCC ID (FAR 47, PART 87): H4KARTEX110
- BRAZIL CTA
- DOT CANADA
- DOC CANADA (1215 474 017AF)

ELT-100HM

- FAA TSO C91a (Environmental Categories: C1A/DO183/XXSXXXXBBBBB]. TYPE AF
- FCC ID (FAR 47, PART 87): H4KARTEX110
- AUSTRALIA
- BRAZIL CTA
- DOT CANADA
- DOC CANADA (1215 474 017AF)
- FEDERAL REPUBLIC OF GERMANY LBA (Type Certificate Nr.: 10.915/8)
- JAPAN
- NEW ZEALAND



THIS PAGE INTENTIONALLY LEFT BLANK