



ARTEX C406 Series

406 MHz Emergency Locator Transmitter



ELT

Immediate Search & Rescue Response

Artex C406 series emergency locator transmitter (ELT)s provide increased safety and security for operators of aircraft and their families. If an emergency landing crash occurs, all C406 series ELTs will transmit signals on three emergency frequencies: 121.5, 243.0 and 406 MHz. The C406-1 and C-406-N are single output ELTs that utilize the same RF output connector requiring one cable connection to Artex single input antennas. The C406-2 uses two connectors, one for 121.5 and 243.0, and another for 406.



C406-1 & C406-2



C406-N



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Artex C406-Series

406 MHz Emergency Locator Transmitter

C406-1

The Artex C406-1 is a single output ELT, All three emergency frequencies (121.5/243 and 406 MHz) utilize the same RF output BNC (f) connector requiring only one coax cable to connect to the Artex single input antennas.

C406-2

The Artex C406-2 has dual output capabilities, using a BNC (f) connector output for 121.5 and 243.0 MHz. The 406 MHz signal is transmitted through a TPS (f) connector.

C406-N

The Artex C406-N is a single output ELT that incorporates latitude/longitude information from the aircraft-navigation system. By use of an optional programming adapter, the ELT can also be programmed with the aircraft's 24-bit address for fleet operators as well as other custom programming.

SPECIFICATIONS

Operating Frequencies

406.0 to 406.1 MHz, depending on COSPAS/SARSAT TAC
121.5 & 243. MHz +/- 0.005% (A3X)

Output Power

406 MHz: 5 W +/- 2 dB (520 ms / 50 sec)
for 24 hours @ -20°C (-4°F)
121.5/243.0 MHz: 100 mW min (+20 dBm)
for 50 hours @ -20°C (-4°F)

Output Connector

C406-1: BNC Female (121.5/243.0 /406 MHz)
C406-2: BNC Female (121.5/243.0 MHz)
TPS Female (406 MHz)
C406-N: BNC Female (121.5/243.0 /406 MHz)

Activation

- C406-1/2: Automatic by 4.5 ft/sec (2.3 G) Primary G-Switch or Manual Activation
- C406-1/2 HM: Automatic by 4.5 ft/sec (2.3 G) Primary G-Switch or 12.5 G (+/- 1 G) 5-Way HM G-Switch or Manual Activation
- C406-N: Automatic by 4.5 ft/sec G-Switch or Manual Activation
- C406-N HM: Automatic by 4.5 ft/sec G-Switch or 12.5 G (+/- 1 G) 5-Way HM G-Switch or Manual Activation

Battery

5-year Lithium (LiMnO₂, solid cathode)
Measurements
ELT Transmitter with mounting hardware installed 11.7" (298 mm)L x 3.9" (99 mm)H x 3.8" (97 mm)W

Temperature

Operating: -20°C to +55°C (-4°F to 131°F)
Storage: -55°C to +85°C (-67°F to 185°F)

Self Test

G-Switch Enabled
406 MHz Power
Antenna/Coax Connection
Position Data Present
Low Battery
Presence of Navigation Data (C406-N)

Remote Control

ON/ARM

Mounting Hardware

Mounting Tray: 452-5050
Protective Top Cover: 452-3052
C406 End Cap: 452-5052
C406-N End Cap: 452-5066

Accessories

Coax cables
Audio Buzzers (to alert ground crews of accidental activations)

Remote Switches

C406-N Programming Adapter (453-5078)

Weight (all models)

ELT Transmitter: >3.38 lbs (>1.54 kg)
Mounting Tray: 7 oz (200 g)
Total Weight: >3.82 lbs (>1.72 kg)

Part Numbers (ELT Only)

C406-1: 453-5002
C406-1HM: 453-5003
C406-2: 453-5000
C406-2HM: 453-5001
C406-N: 453-5060
C406-NHM: 453-5061



Why Choose Artex?

- Boeing
- Cessna
- Hawker Beechcraft
- Piper
- Cirrus
- Diamond
- Quest
- Gulfstream
- Bombardier/Learjet
- Embraer
- Sikorsky
- Bell
- U.S.A Military

Because They Do

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