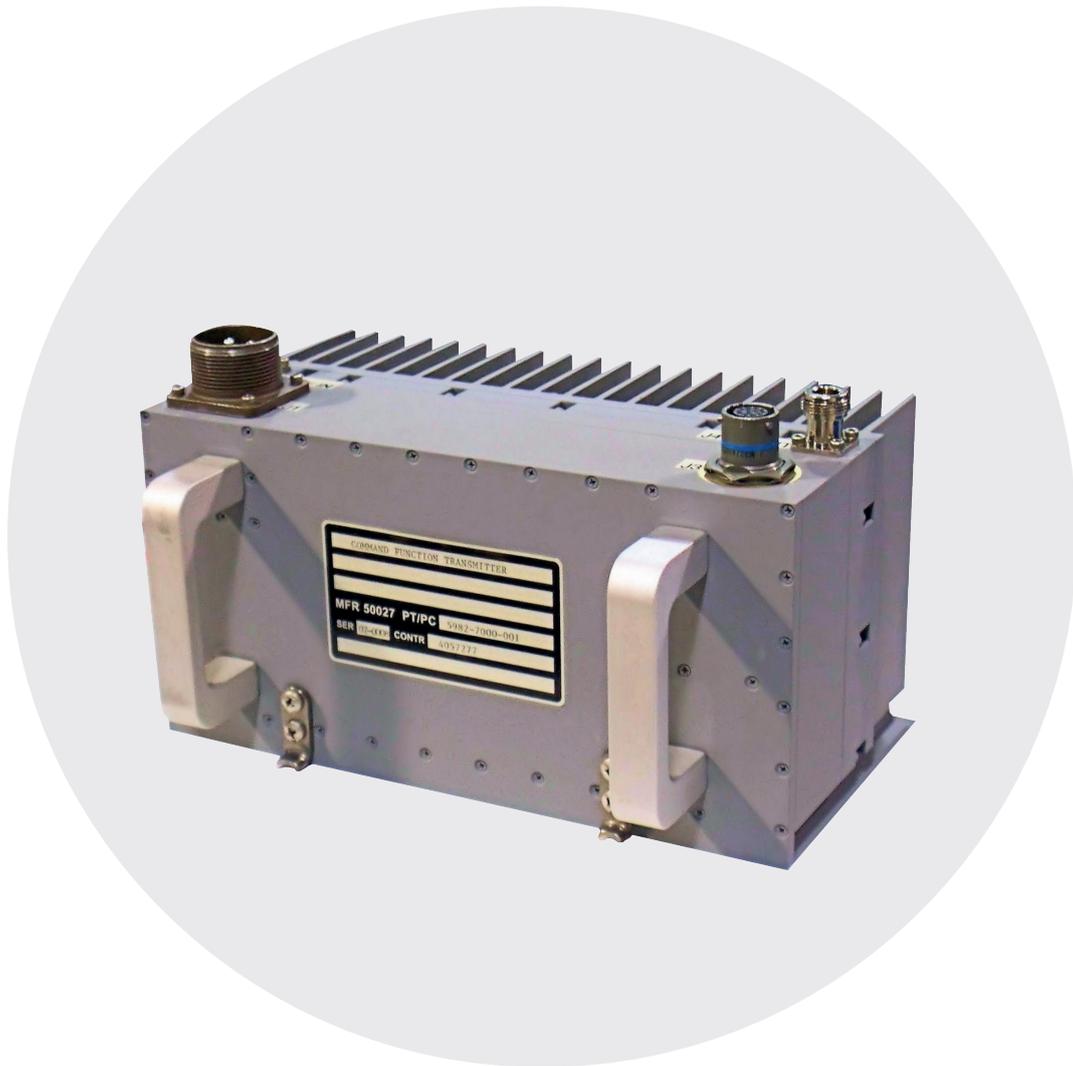


Command Function Transmitter (CFT)

50 dB downlink amplifier



Key features

- Lightweight
- 50 dB amplification
- Easily mountable
- Conduction cooled

Overview

The Command Function Transmitter (CFT) is a ruggedized, lightweight solution for military ASW aircraft. The CFT's 50 dB linear amplifier is a critical link in the downlink communication and control of deployed sonobuoys. The CFT includes an output filter and a capability to measure incident and reflected power at its output. Flightline's CFT seamlessly integrates with our world-class receiver systems.

Technical Specification

Ordering Information

5982-7000-002 — Command Function Transmitter (CFT)



Specification Data

Physical Description

Conduction cooled chassis
 Size H x W x D (in) 5.00 x 9.75 x 5.13
 Size H x W x D (cm) 12.70 x 24.77 x 13.03

Weight 10 lbs / 4.54 kg

Power Input 28 VDC, <10A

Output Power 60W (FM)

RF Gain 50 dB

Housing Color Grey or Custom

Environment

Operating Temp -40°C to 70°C

Non-operating Temp -40°C to 85°C

Cooling Requirement N/A, Air convection cooled

Crash Safety 30G

Vibration Double amplitude of 0.1 inches from 5 to 20 Hz and + / - 2G between 20 and 2000 Hz

Receiver Solutions

- J1 DC Power
- J2 CFT RF Stimulus
- J3 CFT Control / Response
- J4 Amplified CFT RF

