

## DSDTUx50-02 403-512 MHz, UHF MOBILE AMPLIFIER



### Description

The Crescend Technologies model DSDTUx50-02 UHF mobile amplifier is capable of providing 50 watts of power over the 403-512 MHz band. The unit is bidirectional, with an amplifier on the transmit side and a bypass on receive. A separate line is available to connect to an ignition switch, to shut down amplifier when not in use.

The amplifier's slim profile and light weight is designed to mount easily in mobile, portable and small fixed sites.

### Features

- 50 watts of transmit power
- Electronic PIN diode RF Switching
- Radio independent
- Compact and rugged design
- Great for FM voice and data
- Light and portable



## 50W UHF MOBILE AMPLIFIER

PARAMETER	SPECIFICATION
Frequency Range:	403-450 (UL), 450-512 (UH)
Transmit current drain:	11 A nominal at rated power
Carrier Output Power Rating:	50 W nominal
Carrier Input Power Rating:	1-5 Watts
Spurious and Harmonics:	Meets FCC specifications
Operating Voltage:	13.8 VDC nominal
Ignition Wiring:	13.8 VDC, amplifier active
Duty Cycle:	30% (3-minute maximum key)
Load VSWR Tolerance:	VSWR protected
Over Temperature:	Over Temperature protected (bypass mode upon activation)
T/R Switching:	PIN diode, 600 us nominal switching time
Input / Output Impedance:	50 Ohms nominal
Input / Output Connectors:	UHF (other connector options available)
Operating Temperature Range:	-30°C to +60°C
Dimensions:	2.7" H x 6.8" W x 7.7" D
Weight:	2 lbs