

# 500 Watt 700/800 MHz Mobile Amplifier

## General Specifications

- Frequency Range: 764-870 MHz
- 50 Watts Output Power
- Input Power 1–4 W
- Spurious & harmonics meets FCC requirements
- Input/output Impedance: 50 Ohm
- Input/output Connector: type “TNC” female
- Duty Cycle at nominal voltage up to 100%
- Operating Voltage: 13.8 VDC (nominal); 17.8 VDC (maximum)
- Receive mode DC current 1.5 mA (maximum)
- Transmit mode DC current: 11 A (nominal); 13 A (maximum)
- DC Connector: terminal block, screws # 6-32
- Load VSWR protection; overheat protection
- Switching time to Transmit mode 400 us (nominal)
- Input/output Connector: UHF
- Conventional cooling
- Operating Temp Range: -30°C to +60°C
- Storage and Transport Temp: -40°C to +70°C
- Humidity: 80% at +40°C (non-condensing)
- Altitude: 10,000 ft. maximum



## Power Input Range

Model Description	Power Input
DSDTJK50-01T	1-4 W

## Dimensions and Weight

- Dims: 2.8”H x 9.8”D x 6.8”W
- Weight: 5 lbs.

*These are preliminary specifications and are subject to change.*

100 High Grove Blvd., Glendale Heights, IL 60139

P 847.908.5400, F 847.908.5408

[sales@crescendrf.com](mailto:sales@crescendrf.com)

[www.crescendrf.com](http://www.crescendrf.com)