

# Tactical Communication Amplifiers

## High Power and High Performance

### PRELIMINARY

Meeting the challenge of enhanced MANET communication while extending the range expected in legacy systems is achieved with Tactical Amps from CPC. Designed to operate from 30 to 512 and 1250 to 2600 MHz, the Amps provide a solid 20 W of output power across the band to improve link reliability and distance.

Set up support MANET waveforms, the Amps also process AM, FM, and Pulsed modulations to work in all current military communication systems.

The Amps can also be customized to easily integrate into a variety of form factors, making them ideal for Drop Kits, Vehicle Mount, and Airborne applications. Built with CPC's emphasis on reliability, the units meet the MIL-STD environmental requirements to survive the most rigorous deployments.

Specification	Performance
Operating Frequencies	30 – 512 MHz, 1250 – 2600 MHz
Output Power	20 Watts
Input Power	2 Watts
Waveforms	AM, FM, Pulse, MANET
T/R Switching	Automatic T/R Switching
T/R Switching Speed	<2 µsec, typical
Receive LNA Gain	12 dB typical
Receive LNA NF	<4 dB typical
Harmonic Performance	Better than -60 dBc
Spurious Output	Better than -70 dBc
Input/Output Impedance	50 Ohms
Input VSWR	1.5:1 nominal
DC Input Power	12 – 35 VDC
Operating Temperature	-30 °C to +60 °C
Environmental Requirements	Based on Application. Designed to meet full range of Mil-Spec Requirements
Form Factor	Rugged Connectorized Housing



Call or email CPC or your local Sales Representative for more information.

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