

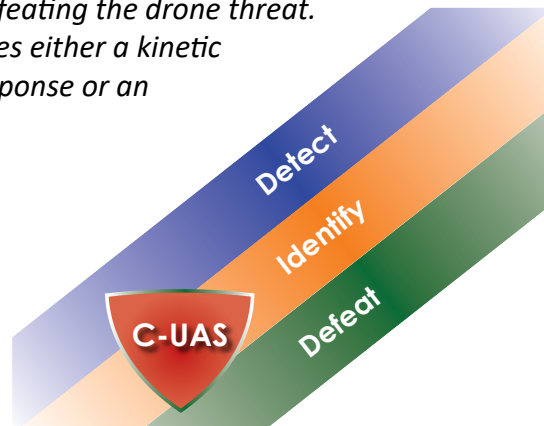
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COUNTER UAS

Empower RF offers a full line of basic function and smart function module level building blocks for customers who integrate power amplifiers into their C-UAS systems.

Commercial drones represent a rapidly growing, low-cost, high-reward surveillance and attack threat to military and civilian personnel and infrastructure. Countering UAS (C-UAS) consists of three subsystems: detecting, identifying, and defeating the drone threat. Defeating the drone(s) requires either a kinetic response, directed energy response or an electromagnetic response.



Empower RF Systems amplifiers are used in the defeat role of drone threats using electromagnetic response.

- Jamming the communications links between operator and the aircraft
- Jamming its GPS link
- Spoofing/take over solution

Empower supplies RF and microwave amplifiers for many deployed C-UAS and C-sUAS systems:

- ▶ Dismounted/Handheld Systems
- ▶ Fixed/Semi-Fixed Systems
- ▶ Mounted/Mobile Systems

COMMON COMMERCIAL DRONE FREQUENCIES

420 to 400 MHz	UHF Short Range
902 to 928 MHz	ISM
2.4 to 2.5 GHz	ISM
5.6 to 6.0 GHz	ISM
1228 MHz	GPS L2
1575 MHz	GPS L1



Empower RF is highly experienced in the design and development of high power amplifier modules and systems for C-UAS and more broadly, EW.

SKU 1124



20-1000 MHz
30 Watt
44 dB
28 VDC
6.4 x 3.4 x 1.1"

SKU 1100



20-1000 MHz
80 Watt
49 dB
28 VDC
6.4 x 3.4 x 1.1"

SKU 1189



500-2500 MHz
100 Watt
50 dB
28 VDC
7.4 x 3.6 x 1.06"

SKU 1211



500-2500 MHz
100 Watt
57 dB
48 VDC
7.0 x 4.0 x 1.1"

SKU 1197



2000-6000 MHz
50 Watt
61 dB
48 VDC
7.0 x 4.0 x 1.1"

SKU 1212



2000-6000 MHz
50 Watt
61 dB
28 VDC
7.0 x 4.0 x 1.1"

WHY CHOOSE EMPOWER?

- ▶ Demonstrated Reliability
- ▶ Tactically Proven, Fielded Products
- ▶ High Volume Capabilities
- ▶ Very Large COTS Selection
- ▶ Customization Available

