

POWER
SYSTEMS, INC.

0)412-8100

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Power Amplifier Solutions Recommended for

ELECTRONIC WARFARE

[Force Protection and Threat Simulators - Manpack, Vehicle, Fixed Site, HF to X-band]

Cutting edge, compact, ultra broadband, solid state power amplifiers from Empower are playing a major role in Electronic Warfare applications.

Empower's remarkable hardware and software architecture is advanced beyond any other amplifier supplier and offers break through capabilities not seen before in EW systems. Among these capabilities are Multi-domain operations where a single unit is capable of operating in Multi-Domain scenarios as a jamming, communications and radar transmitter at optimal performance with any type of modulation.

Features and Benefits

- ✓ Built in EW modulation modes
 - Frequency hopping
 - QAM-xx, OFDM
 - Multi-carrier
 - Pulse, AM, FM, PSK
 - Barrage
 - Broadband noise
 - Upgradable to future modulation standards
 - User defined pre-set jamming modes

At A Glance

PA Solutions for Electronic Attack



Rev. 3.0
10-27-2021



*Empower
has delivered
over 30,000*

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Environmental (MIL-STD-883C) and EMI (MIL-STD-461) Compliant

VH F/UHF/L/S/C Band Tactical Command, Control and Communications

Electronic Countermeasures ECM and ECCM Capability for denial and disruption of information

Smallest and Lightest Transmitter

Electronic VSWR and Graceful power Degradation

Monitoring and Control via Web Browser through TCP/IP and/or front panel touchscreen display

SKU 2210

150 - 450 MHz, 12000 Watt

Ruggedized Broadband Solid State Jamming and Communications Amplifier

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Support

Ruggedness

Higher breakdown voltages with GaN devices allow the amplifier to withstand high peak voltage waveforms and modulations such as Gaussian noise.

Reliable operation when subjected to high voltage standing wave ratio (VSWR) from the antenna which is a likely occurrence on a vehicle during combat.

GaN devices also come in smaller packages with higher power densities which enable the amplifiers to achieve smaller footprints of overall size and weight

All hardware is subject to over-temperature, EMI and EMC, shock and vibration and all other environmental testing required.

ground tactical EW platforms.



WATCH VIDEO

Amplifier System is transmitting at full power (1 KW CW) while being subjected to extreme, mil-standard testing for shock and vibration.

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Company	☆ << 1164	800 3000 50 50 CW/FM/AM 6.4x3.4x1.0	Buy Now
	☆ << 1212	2000 6000 50 61 CW/FM/AM 7.0 x 4.0 x 1.1	Get Quote Buy Now
	☆ << 1191	2500 6000 100 60 CW/FM/AM 8.0x6.5x1.0	Get Quote
☆ Denotes best choices in this performance range.			

Modules 48VDC

Picture	SKU	Data Sheet	Start (MHz)	Stop (MHz)	Pout (Watt)	Gain (dB)	Modulation Type	Size (Inch)	Quote
	☆ << 1213		1	30	50	53	CW/FM/AM	7.0 x 4.0 x 1.12	Get Quote
	☆ << 1193		20	1000	100	53	CW/FM/AM	7.0x4.0x1.2	Get Quote
	☆ << 1211		500	2500	100	57	CW/FM/AM/Pulse	7.0 x 4.0 x 1.1	Get Quote
	☆ << 1199		1000	3000	100	61	CW/FM/AM	7.0x4.0x1.1	Get Quote
	☆ << 1219		500	6000	25	62	CW/FM/AM/Pulse	7.0x4.0x1.1	Get Quote Buy Now
	☆ << 1197		2000	6000	50	61	CW/FM/AM	7.0 x 4.0 x 1.1	Get Quote
☆ Denotes best choices in this performance range.									

Air Cooled Systems

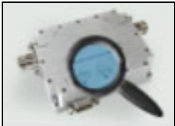
Picture	SKU	Data Sheet	Start (MHz)	Stop (MHz)	Pout (Watt)	Gain (dB)	Modulation Type	Size (Inch)	Quote
	☆ << 2203		1	30	1000	60	CW/FM/AM	R5U	Get Quote
	☆ << 2210		150	450	12000	73	Pulse	R19U	Get Quote
	☆ << 2162		20	1000	1000	63	CW/FM/AM	R5U	Get Quote RENT
	☆ << 2199		500	2500	200	60	CW/FM/AM/Pulse	R5U	Get Quote
	☆ << 2202		500	2500	1000	63	CW/FM/AM/Pulse	R8U	Get Quote

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Company	2239	Support	
	☆ << 2214	 2900 3500 8000 70	Pulse R19U Get Quote
	☆ << 2240	 5200 5900 900 65	Pulse, CW R3U Get Quote
	☆ << 2217	 5200 5900 8000 70	Pulse R18U Get Quote
	☆ << 2223	 500 6000 150 53	CW/FM/AM/Pulse R5U Get Quote RENT
	☆ << 2215	 1900 6000 200 53	CW/FM/AM/Pulse R5U Get Quote
	☆ << 2221	 9000 10000 8000 70	Pulse R18U Get Quote
☆ Denotes best choices in this performance range.			

Liquid Cooled Systems

Picture	SKU	Data Sheet	Start (MHz)	Stop (MHz)	Pout (Watt)	Gain (dB)	Modulation Type	Size (Inch)	Quote
	☆ << 2237		1000	2000	40000	81	Pulse	40U	Get Quote
	☆ << 2236		2800	3500	120000	72	CW, AM, FM, Pulse	80 U	Get Quote
	☆ << 2238		2000	4000	12000	76	Pulse, CW	40U	Get Quote

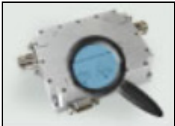
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