

800 W, C-Band RF Amplifier

Model AR-2700-3500-8E2

Delivering 800 W Peak Output Power, the AR-2700-3500-8E2 High Power SSPA from CPC is ideal for Radar Test Equipment and other EW/Radar applications. The unit performs from 2700 to 3500 MHz with pulse widths up to 55 μ s. The unit can be configured with a variety of options to make it easily integrated into a system. Complete remote control is available via discrete, serial, or Ethernet.

Features:

- High Gain
- Applicable for Radar or EW Systems
- Remote Interface Available

Key Parameters

- 2700 – 3500 MHz
- 800 Watts Output Power
- 32 dB Power Gain
- Pulse Operation
- Rack Mount

CPC's line of rugged Solid State Power Amplifiers are custom designed specifically for CW/Pulse Radar, EW, Medical, Scientific or Communication applications. These systems consist of single or multiple channels of matched amplifiers that are ideal for creating uniform transmitters to meet your specific power needs. Power levels are available from 1 to >100 kW operating from 100 kHz to 32 GHz.

Contact CPC today to discuss a solution to fit your system.

Specifications

Parameter	Units	Min	Typ	Max
Electrical Specifications				
Frequency	MHz	2700		3500
Output Power	W	800		
	dBm		59	
Pulse Width	µs			55
Duty Cycle	%			2
Input Power	dBm		<27	
Gain	dB		32	
Input/Output Impedance	Ohms		50	
Input Power		120 VAC, 60 Hz		
Mechanical Specifications				
Size		Rack Mount or Bench Top		
Remote Interface				
Optional Remote Interface		Ethernet, USB, Serial, Discrete		



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