

200 W S-Band RF Amplifier Module

Model AM-2700-3500-2E2

Pulsed RF Output Power system requirements are easily met with CPC's S-Band Solid State Power Amplifier. Operating from 2700 to 3500 MHz, the AM-2700-3500-2E2 will deliver up to 250 W of power with 48 dB of nominal Power Gain for pulsed applications including Radar, Radar Test Equipment, and EW Systems.

Built in a rugged, low-profile connectorized housing, the unit is easily incorporated at the system level with a full complement of control and monitoring signals.

The AM-2700-3500-2E2 is also the base module for CPC's Rack Mount Amplifier that delivers 800 Watt of power across the same band.

These amps are just a sample of the full line of RF Power Amplifiers available from CPC covering the 10 kHz to 32 GHz range with Output Powers from 10 W to >100 kW.



Specifications

Features:

- High Gain
- Applicable for Radar or EW Systems
- Remote Control and Monitoring

Key Parameters:

- 2700 – 3500MHz
- >200 Watts Output Power
- 48 dB Power Gain
- Pulse Operation
- Connectorized Module

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

Parameter	Units	Min	Typ	Max
Electrical Specifications				
Operating Frequency	MHz	2700		3500
Output Power, Pulsed	W	200	250	
Input Power	dBm		5	
Pulse Width	µs		200	
Duty Cycle	%		20	
Power Gain	dB		48	
Harmonics	dBc		-60	
Spurious	dBc		-60	
Input/Output Impedance	Ohms		50	
VSWR			2:1	
Input Voltage	Vdc		50	
Mechanical Specifications				
Form Factor			Module	
Dimensions (less Connectors)	inches		2.5 x 6 x 1.1	
RF Connectors			SMA	
DC and Interface Connector			D-Sub	
Cooling			Heatsink	
Remote Interface				
Blanking/Gating			Included	
Current Monitoring			Included	
Fault Indicators			Included	

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