

# PULSED WIDE BAND GaN AMPLIFIERS

EMC, HIRF & Radar tests



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EMC, HIRF & Radar tests



**HV GENERATORS**  
Lightning & NEMP tests



**HV MODULATORS**  
Microwave tubes power supplies



## ▪ VERY WIDE BAND PULSED POWER AMPLIFIER :

FREQUENCY RANGE : 0.8 to 8 GHz

**APPLICATION :** EMC TESTS  
HIRF

PULSED POWER AMPLIFIERS 0.8 GHz to 2.5 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-0.8G2.5A	1 kW	0.1-100 $\mu$ s	5 %
PWS2-0.8G2.5A	2 kW	0.1-100 $\mu$ s	5 %
PWS5-0.8G2.5A	5 kW	0.1-100 $\mu$ s	5 %
PWS8-0.8G2.5A	8 kW	0.1-100 $\mu$ s	5 %
PWS10-0.8G2.5A	10 kW	0.1-100 $\mu$ s	5 %

PULSED POWER AMPLIFIERS 1 GHz to 2 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-1G2B	1 kW	0.1-50 $\mu$ s	6 %
PWS2-1G2B	2 kW	0.1-50 $\mu$ s	6 %
PWS2-1G2C	2 kW	0.1-100 $\mu$ s	10 %
PWS4-1G2B	4 kW	0.1-50 $\mu$ s	6 %
PWS4-1G2C	4 kW	0.1-100 $\mu$ s	10 %
PWS8-1G2A	8 kW	10 $\mu$ s	1 %
PWS8-1G2B	8 kW	0.1-50 $\mu$ s	6 %
PWS8-1G2C	8 kW	0.1-100 $\mu$ s	10 %
PWS10-1G2B	10 kW	0.1-50 $\mu$ s	6 %
PWS12-1G2B	12 kW	0.1-50 $\mu$ s	6 %
PWS18-1G2B	18 kW	50 $\mu$ s	5 %
PWS20-1G2A	20 kW	10 $\mu$ s	1 %
PWS20-1G2B	20 kW	0.1-50 $\mu$ s	6 %
PWS50-1G2B	50 kW	0.1-50 $\mu$ s	6 %

PULSED POWER AMPLIFIERS 2 GHz to 4 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-2G4B	1 kW	0.1-50 $\mu$ s	6 %
PWS1-2G4C	1 kW	0.1-100 $\mu$ s	10 %
PWS2-2G4B	2 kW	0.1-50 $\mu$ s	6 %
PWS2-2G4C	2 kW	0.1-100 $\mu$ s	10 %
PWS3-2G4B	3 kW	0.1-50 $\mu$ s	6 %
PWS3-2G4C	3 kW	0.1-100 $\mu$ s	10 %
PWS4-2G4C	4 kW	0.1-100 $\mu$ s	10 %
PWS5-2G4B	5 kW	0.1-50 $\mu$ s	6 %
PWS6-2G4C	6 kW	0.1-100 $\mu$ s	10 %
PWS6.9-2G4B	6.9 kW	0.1-50 $\mu$ s	6 %
PWS8-2G4B	8 kW	0.1-50 $\mu$ s	6 %
PWS8-2G4C	8 kW	0.1-100 $\mu$ s	10 %
PWS10-2G4B	10 kW	0.1-50 $\mu$ s	6 %
PWS10-2G4C	10 kW	0.1-100 $\mu$ s	10 %
PWS12-2G4B	12 kW	0.1-50 $\mu$ s	6 %
PWS15-2G4B	15 kW	0.1-50 $\mu$ s	6 %
PWS20-2G4B	20 kW	0.1-50 $\mu$ s	6 %
PWS25-2G4A	25 kW	0.1-5 $\mu$ s	1 %
PWS80-2G4B	80 kW	0.1-5 $\mu$ s	1 %

PULSED POWER AMPLIFIERS 2.5 GHz to 7.5 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-2.5G7.5A	1 kW	100 $\mu$ s	5 %
PWS2-2.5G7.5A	2 kW	100 $\mu$ s	5 %

PULSED POWER AMPLIFIERS 4 GHz to 8 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-4G8B	1 kW	50 µs	4 %
PWS2-4G8B	2 kW	50 µs	4 %
PWS4-4G8B	4 kW	50 µs	4 %
PWS6.9-4G8B	6.9 kW	50 µs	4 %
PWS20-4G8A	20 kW	40 µs	2 %
PWS25-4G8B	25 kW	50 µs	4 %

PULSED POWER AMPLIFIERS 8 GHz to 18 GHz	
Under studies	

- WIDE BAND PULSED POWER AMPLIFIER :**  
 FREQUENCY RANGE : 0.9 to 10.3 GHz

**APPLICATION :** EMC & HIRF TESTS  
 RADAR TESTS  
 RADIO COMMUNICATION

PULSED POWER AMPLIFIERS 0.9 GHz to 1.2 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-0.9G1.2B	1 kW	0.1-100 µs	10 %
PWS2-0.9G1.2A	2 kW	0.1-20 µs	1 %
PWS2-0.9G1.2B	2 kW	0.1-100 µs	10 %
PWS5-0.9G1.2A	5 kW	0.1-20 µs	1 %
PWS5-0.9G1.2B	5 kW	0.1-100 µs	10 %

PULSED POWER AMPLIFIERS 1.2 GHz to 1.4 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS1-1.2G1.4A	1 kW	0.1-30 µs	1 %
PWS1-1.2G1.4B	1 kW	0.1-300 µs	12 %
PWS2-1.2G1.4A	2 kW	0.1-30 µs	1 %
PWS4-1.2G1.4A	4 kW	40 µs	1 %
PWS5-1.2G1.4A	5 kW	0.1-30 µs	1 %
PWS5-1.2G1.4B	5 kW	0.1-300 µs	12 %
PWS8-1.2G1.4A	8 kW	0.1-40 µs	1 %
PWS10-1.2G1.4A	10 kW	0.1-30 µs	1 %
PWS10-1.2G1.4B	10 kW	0.1-300 µs	12 %
PWS20-1.2G1.4A	20 kW	0.1-30 µs	1 %
PWS50-1.2G1.4A	50 kW	0.1-30 µs	1 %
PWS80-1.2G1.4A	80 kW	0.1-30 µs	1 %
PWS140-1.2G1.4A	140 kW	0.1-30 µs	1 %
PWS80-1.2G1.4M	80 kW militarized	0.1-100 µs	4 %
PWS140-1.2G1.4M	140 kW militarized	0.1-100 µs	4 %

PULSED POWER AMPLIFIERS 2.2 GHz to 2.7 GHz			
Model	Rated Power	Pulse width	Duty cycle
PWS2-2.2G2.7A	2 kW	1-20 µs	1 %
PWS4-2.2G2.7A	4 kW	1-20 µs	1 %
PWS8-2.2G2.7A	8 kW	1-20 µs	1 %
PWS10-2.2G2.7A	10 kW	1-20 µs	1 %
PWS20-2.2G2.7A	20 kW	1-20 µs	1 %
PWS60-2.2G2.7A	60 kW	1-20 µs	1 %



### PULSED POWER AMPLIFIERS 2.6 GHz to 3.3 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS2-2.6G3.3A	2 kW	1-20 $\mu$ s	1 %
PWS4-2.6G3.3A	4 kW	1-20 $\mu$ s	1 %
PWS8-2.6G3.3A	8 kW	1-20 $\mu$ s	1 %
PWS10-2.6G3.3A	10 kW	1-20 $\mu$ s	1 %
PWS20-2.6G3.3A	20 kW	1-20 $\mu$ s	1 %
PWS50-2.6G3.3A	50 kW	1-20 $\mu$ s	1 %

### PULSED POWER AMPLIFIERS 2.7 GHz to 3.1 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS1-2.7G3.1A	1 kW	1-30 $\mu$ s	1 %
PWS2-2.7G3.1A	2 kW	1-200 $\mu$ s	10 %
PWS4-2.7G3.1A	4 kW	1-6 $\mu$ s	1 %
PWS4-2.7G3.1B	4 kW	1-200 $\mu$ s	10 %
PWS6-2.7G3.1A	6 kW	1-200 $\mu$ s	10 %
PWS8-2.7G3.1A	8 kW	1-6 $\mu$ s	1 %
PWS8-2.7G3.1B	8 kW	1-200 $\mu$ s	10 %
PWS10-2.7G3.1B	10 kW	1-200 $\mu$ s	10 %
PWS20-2.7G3.1B	20 kW	1-200 $\mu$ s	10 %
PWS50-2.7G3.1A	50 kW	1-5 $\mu$ s	1 %
PWS50-2.7G3.1B	50 kW	1-200 $\mu$ s	10 %

### PULSED POWER AMPLIFIERS 2.9 GHz to 3.5 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS2-2.9G3.5A	2 kW	1-300 $\mu$ s	12 %
PWS8-2.9G3.5A	8 kW	1-300 $\mu$ s	12 %

### PULSED POWER AMPLIFIERS 3.5 GHz to 3.7 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS6-3.5G3.7	6 kW	100 $\mu$ s	5 %

### PULSED POWER AMPLIFIERS 5.4 GHz to 5.7 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS2-5.4G5.7B	2 kW	1-200 $\mu$ s	10 %
PWS10-5.4G5.7B	10 kW	1-200 $\mu$ s	10 %

### PULSED POWER AMPLIFIERS 7.9 GHz to 9.6 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS1-7.9G9.6A	1 kW	0.1-100 $\mu$ s	5 %
PWS2-7.9G9.6A	2 kW	0.1-100 $\mu$ s	5 %
PWS5-7.9G9.6A	5 kW	0.1-100 $\mu$ s	5 %
PWS10-7.9G9.6A	10 kW	0.1-100 $\mu$ s	5 %

### PULSED POWER AMPLIFIERS 9 GHz to 9.5 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS0.4-9G9.5B	400 W	100 $\mu$ s	10 %
PWS2-9G9.5A	2 kW	50 $\mu$ s	5 %
PWS4-9G9.5A	4 kW	50 $\mu$ s	5 %

### PULSED POWER AMPLIFIERS 9.1 GHz to 10.3 GHz

Model	Rated Power	Pulse width	Duty cycle
PWS1-9.1G10.3A	1 kW	0.1-100 $\mu$ s	5 %
PWS2-9.1G10.3A	2 kW	0.1-100 $\mu$ s	5 %
PWS5-9.1G10.3A	5 kW	0.1-100 $\mu$ s	5 %
PWS10-9.1G10.3A	10 kW	0.1-100 $\mu$ s	5 %