

RADITEK

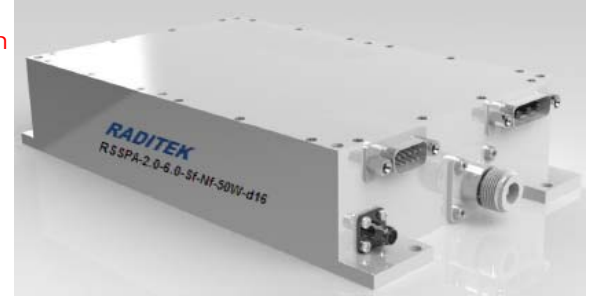
SSPA 50Watts

Solid State Power Amplifier 2.0-6.0GHz 50 Watts Pulse Power (@100% duty cycle)



Features:

- Amplifier should be mounted on a heat sink with forced air cooling.
- RF sample monitoring via SMA female connector
- DC monitoring of RF output level



Order Examples: RAMP-M-2.0-6.0-Sf-Nf-50d28V-50Wpul-d16

Description: (SSPA Module, 2.0-6.0GHz), SMA to N female Connector, 50dB Gain, 28Volt, 50 Watts pulsed @100% duty)

Additional Options: (2.9-3.5GHz) **100 Watts**

Specifications		Units
Frequency	2.0 - 6.0	GHz
RF Output Power	50 W (+47dBm) Minimum 2-6 GHz	Watts (dBm)
	100 W(+50dBm) Minimum 2.9-3.5 GHz	Watts (dBm)
Large Signal Gain	50	dB
Small Signal Gain	54-57	dB
Gain Flatness	±3.0 dB for any 1 GHz	dB
Duty Cycle	100% (CW)	%
Harmonics	-10 Minimum	dBc
Spectral Purity	-40 (±100 kHz of carrier)	dBc
Thermal Noise	-40	dBm/MHz
Input Voltage	+28 (±3.0 V)	VDC
Input Current	15.0 Maximum	Amps
VPB Efficiency	33% (@ midband)	%
IPC Efficiency	20-40%	%
VPB-IPC Prime Power	352 Typical (@ midband)	Watts
Operating Temperature	-40 to +71	°C
Altitude	N/A	Feet
Connectors	Input	SMA-F
	Output	NC-F
Control/DC Input	S3122E14-12P	
Weight	12.0Maximum Without Heat Sink/Fans	lbs
Cooling	Conduction (Forced Air External)	
Outline Drawing	11.0x 6.0 x 2.5"	Inches

Solid State Power Amplifier Module 2.0-6.0GHz SMA female to N Female Connector, 50 Watts Power

