

Jersey Microwave

Ku-Band SSPA

10.70-11.70 GHz / 12.70-13.20 GHz

13.75-14.50 GHz / 14.00-14.50 GHz

14.5-15.3 GHz

Features

- ✓ High linearity & reliability
- ✓ Internal voltage regulator
- ✓ Sequencing for Drain & Gate bias voltage
- ✓ Input/Output isolators
- ✓ Over temperature shut-down
- ✓ Low cost



Options

- Gain Control
- Output monitor / detector
- Mute control

Description

Jersey Microwave's solid-state power amplifier devices are used in a broad range of applications where high output power and RF performance across the band are needed.

Jersey Microwave components can be tailored to meet your company's specific needs.

Electrical Specifications

Power	Gain min.	Saturated Output Power Nominal	Output Power P(1dB) min.	Current Draw @+12V ± 3%	Size (Max.) (L" x W" x H")
5 W	47 dB	+37 dBm	+36 dBm	3.6 A	10.3 x 4.0 x 0.75
10 W	50 dB	+40 dBm	+39 dBm	6.3 A	10.3 x 4.0 x 0.75
16 W *	52 dB	+42 dBm	+41 dBm	9.0 A	10.3 x 4.0 x 0.75
20 W *	53 dB	+43 dBm	+42 dBm	11.0 A	12.5 x 5.0 x 0.75
25 W *	54 dB	+44 dBm	+43 dBm	16.0 A	12.5 x 5.0 x 0.75

* - only for 14.0 – 14.5 GHz unit

Parameter	Limit
Gain Flatness:	±0.50 dB typ. / ±0.75 dB max.
Spurious, In-band [@Po(1 dB)]:	-65 dBc max.
Harmonics:	-25 dBc max.
Noise Figure:	8 dB max.
Input/Output VSWR:	1.35:1 max.
Operating Temp.	0°C to +60°C
Thermal Shut Down:	75° C ± 5° C
RF Input/Output Connectors:	SMA-Female
DC Supply:	Solder Feed-thru.

Note: Specifications are subject to change without notice