

# Jersey Microwave

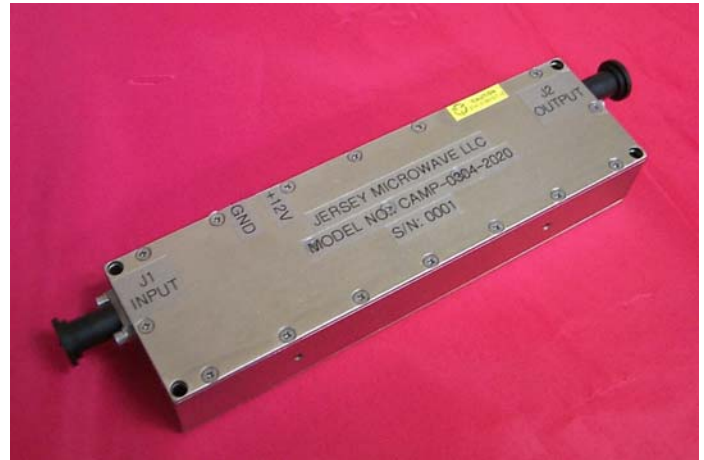
## Line Drive Amplifiers

### Features

- ✓ GaAs FET Design
- ✓ Gain Flatness < 1 dB
- ✓ Low VSWR < 1.25:1
- ✓ High Reliability
- ✓ Internal Regulator & Reverse Polarity Protection

### Options

- ✓ 25, 35 or 45 dB gain
- ✓ Higher output power up to 1W
- ✓ Gain Control (20dB)
- ✓ Customized to specific requirements



## Electrical Specifications

Frequency Band	C-BAND	X-BAND	Ku-BAND
Available Frequency Ranges	3.6 - 4.2 GHz 3.4 - 4.2 GHz 5.85 - 6.425 GHz 5.85 - 6.65 GHz	7.1-7.7 GHz 7.9-8.4 GHz	10.95 – 12.75 GHz 10.7 – 12.75 GHz 14.0 – 14.5 GHz 13.75 – 14.5 GHz
Gain	22dB / 35dB / 45dB		
Gain Flatness	+/- 0.50 dB		+/- 0.75 dB
Noise Figure	3.5 dB Max.	4.0 dB Max.	
Output Power @ 1dB Compression	20 dBm Min.	18 dBm Min.	15 dBm Min.
VSWR – Input & Output	1.25:1 Max.		1.3:1 Max.
Maximum Input Level (w/o damage)	+10 dBm		
Connectors – Input & Output	SMA – Female		
Operating Temperature	-40° C to +70° C		
Power Requirement	12 – 15 VDC @ 200 mA Max.		12 – 15 VDC @ 230 mA Max.
Package Size (LxWxH) Max.	5.25" X 1.5" X 0.85"		4.25" X 1.5" X 0.85"

Note: Specifications are subject to change without notice