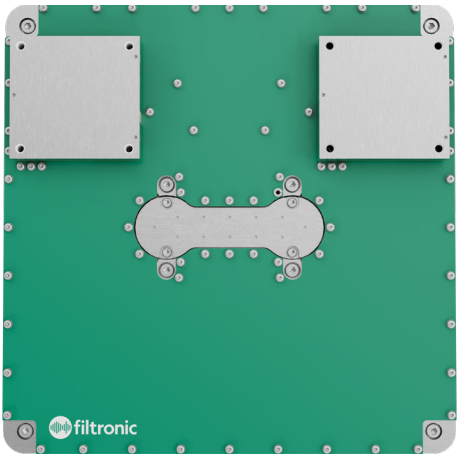


Cerus 32-V

Filtronic’s range of V-Band SSPA amplifiers provide market leading linear mmW power. Available in single to N-way configurations, the power amplifiers deliver unparalleled performance for long range V-Band communications.

Features

- 47.2-52.4GHz GaN SSPA
- Full 5.2GHz bandwidth
- Saturated powers up to 50.8dBm
- 19.7dB gain typical
- Excellent linearity (55dBm OIP3 @ Po 41.6dBm)
- Suitable for satellite ground station up-link terminals



AA035 Specification

Parameter	Min	Typ.	Max	Units
Frequency	47.2		52.4	GHz
Bandwidth			5.2	GHz
Small Signal Gain	16.3	18.6	20.9	dB
P _{sat} (dBm)		50		dBm
P _{sat} (W)		100		W
OIP3 @ 41.6dBm		55		dBm
Supply Voltage		48		V _{DC}
Supply Current @ (I _{DC})		17.4		A
Size		215 x 215 x 93		mm
Weight		3500		g
Interface	Waveguide input & output: WR19 DC Interface: Samtec MPT-04-6.30-01-V			

Over baseplate operating temperature –35 to +60C. All parameters referenced to common waveguide port.

