

Family of Solid State High Power Amplifiers

1 MHz - 6 GHz, up to 2000 Watts

Benefits:

- Stores information about all actions and failures, allowing debriefing of events
- Color LCD touch screen with various Help menus and Touch Pen
- User-friendly GUI design
- Color LCD Operating system available in any language, upon request
- Easy to operate; requires only minimum training
- Easy maintenance; system notifies user regarding malfunction type and repair instructions
- Various communication protocols available: LAN (up to 1 Gbit/sec), RS232, RS422, etc.



Solid State Power Amplifier
30 MHz - 500 MHz

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1 MHz - 6 GHz, up to 2000 Watts



Flexible
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Overview

On today's modern battlefields - which are congested with electromagnetic signals and threats - a system that can operate at a significant distance from the field is critical. In response to this need, Elbit Systems EW and SIGINT - Elisra has developed a modular and flexible family of amplifier systems that includes a variety of amplifiers with different ranges. These systems use an assortment of the most advanced technologies to suit diverse customer needs. The company can also create a fully customized system, according to individual requirements.

Applications Include:

- Electronic Warfare / SIGINT (ELINT & COMINT)
- COMJAM & ECM
- Radars
- Search & Rescue
- Missiles

Main Features

- Full rated power at VSWR 3:1 with constant current consumption at ambient temperature of 55°C
- LPF and Dummy Load Switch included internally
- High-Speed T/R Switch (optional)
- High reliability, withstands most extreme environmental conditions
- Fully protected against high VSWR (open/short), high input power, thermal overload, over/under voltage, reverse polarity
- Graceful degradation

Available Models:

Model Number	Frequency Range (MHz)	Rated Power (Watt) Min.	Technology	Main Feature	Power Consumption Max.	Weight in Kg	Size
4500A10000	1.5-30	1000W	LDMOS	Fast T/R SW Included	28V/110A	50	19"X7U
4D01A00000	1.5-30	1000W	LDMOS		28V/110A	50	19"X7U
4910A10000	1-30	1500W	LDMOS	Fast T/R SW Included	48V/100A	55	19"X7U
4600A10000	20-100	500W	LDMOS		28V/80A	52	19"X5U
4D02A00000	20-100	1000W	LDMOS	Bank Filters Included	28V/168A	51	19"X7U
4600A20000	100-500	250W	LDMOS		28V/75A	51	19"X5U
4D03A00000	100-500	500W	LDMOS	Fast Bank Filters Included	28V/120A	62	19"X7U
4930A10000	100-500	800W	LDMOS		48V/70A	55	19"X7U
4500A20000	30-520	500W	GaN	Fast T/R SW Included	28V/78A	55	19"X7U
4500A40000	30-520	1000W	GaN		28V/150A	71	19"X7U
4920A10000	30-520	1500W	LDMOS	Bank Filters Included	48V/160A	71	19"X7U
4600A30000	500-1000	200W	LDMOS		28V/65A	42	19"X5U
4174A00000	500-1000	500W	LDMOS	Fast T/R SW Included	28V/154A	48	19"X5U
4930A20000	500-1000	800W	LDMOS		48V/80A	58	19"X7U
4920A20000	500-1000	1500W	LDMOS	Bank Filters Included	48V/140A	60	19"X7U
4620A60000	500-1500	250W	GaN		28V/45A	40	19"X7U
4620A40000	1000-2500	500W	GaN	Fast T/R SW Included	28V/100A	45	19"X7U
4600A40000	1000-3000	100W	GaN		28V/32A	42	19"X5U
4940A10000	1000-3000	300W	GaN	Fast Bank Filters Included	48V/90A	55	19"X7U
4800A20000	500-3000	2x100W	LDMOS&GaN		28V/110A	50	19"X7U
4900A40000	3000-6000	100W	GaN	Fast Bank Filters Included	28V/35A	45	19"X3U
4620A20000	100-500	500W	LDMOS		28V/110A	51	19"X5U