

# Compact & Customizable Amplifiers for Jamming Applications



The SESP Group develops, manufactures and customizes the most effective and reliable jamming solutions that operate in the broadest range of environments. The SESP Group provides cutting-edge integration solutions that support today's missions, and the versatility for future enhancements.

## Merging BEACOMM Amplifiers into Sensitive In-House Technologies

The SESP Group selected BEACOMM to develop and customize amplifiers for several of its sophisticated jamming products.

These devices are particularly sensitive and require very precise delivery with the ability to operate in extreme climatic conditions for long periods of time with minimal power demands.

The SESP Group has always been cautious about the use of outsourced components in its family of jamming products. Beyond proprietary core technologies, additional unique components have been developed internally to ensure total system compatibility and effectiveness. This included all the amplifiers used in the company's products. As the company expanded this situation became untenable due to a lack of resources. The decision to outsource development and manufacturing of complex amplifiers was taken but management had the task of choosing a reliable company based upon criteria such as:

- Fast response meeting SESP's needs
- Tight on-schedule delivery
- Ability to customize amplifiers for particular needs - meeting requirements such as:  
Size • DC voltage • Gain • Power • Operational over wide range of temperatures • Detectors and feedback from PA

- One-shop provider
- Exceedingly fast turnaround
- Comprehensive understanding of customer's requirements
- In-depth resources to handle projects of equal complexity
- Competitive pricing



# The BEACOMM Solution >

BEACOMM's management team met with representatives from the SESP Group and within a very short period had a good understanding of SESP's needs. BEACOMM quickly produced detailed plans in accordance with the SESP specs which included technologies such as reverse RF power detection, forward power detection, galvanic antenna isolators and protectors.

## Why SESP Selected BEACOMM

Mr. Benjamin O. CEO of SESP stated:

It took a little time in the beginning to fully understand a number of complex subjects but within a very reasonable time frame we resolved all open issues.

Looking back at the start of our discussions with BEACOMM, I think we made right decision.

I am certain that BEACOMM will continue to provide good service to us and its other clients and I wish them success .in all their undertakings."

## The Outcome

BEACOMM provided for each HPA Acceptance Test record that verified the complete integrability of the BEACOMM Amplifier into SESP jammers. BEACOMM has been providing several lines of amplifiers, on-time, as needed, to the complete satisfaction of our customer.

## ABOUT BEACOMM

BEACOMM provides dedicated solutions in the realm of High Power Amplifiers to the defense, public safety, aerospace, scientific and telecommunications communities.

Embedded BEACOMM Power Amplifiers are combat-proven – operating in the most volatile conflict zones of the twenty-first century. Thus, by definition, they have been designed, developed and manufactured to address the most demanding RF challenges in regard to packaging, size, weight, power and efficiency. They are absolutely reliable. BEACOMM provides the broadest coverage along with cost-effective concept-to-product customization capabilities to rapidly meet our customers' concerns. BEACOMM delivers wide band or band-specific HPA, implementing multi-carrier technology (LPA) supplying the broadest range of end products – from standalone HPA components to entire RF combining systems.

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