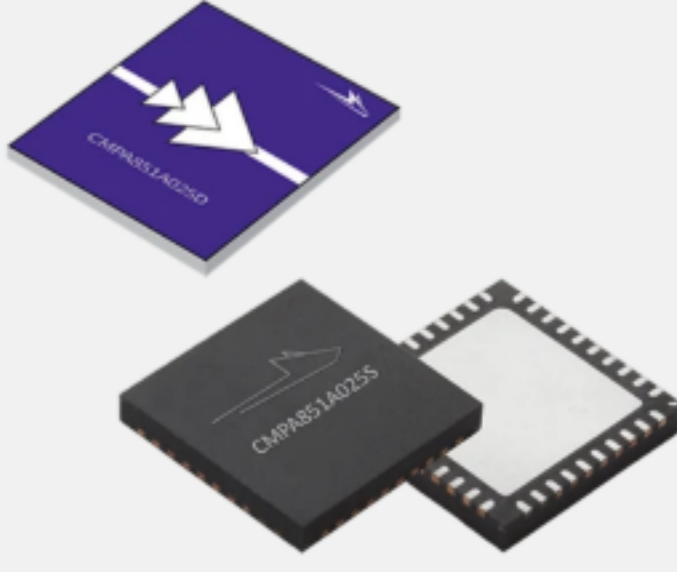


CMPA851A025

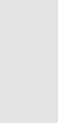


8.5 - 10.5 GHz, 40 W GaN MMIC HPA

Wolfspeed’s CMPA851A025 MMIC HPA family supports up to 40 W utilizing Wolfspeed’s high performance, 0.15um GaN on SiC production process. The product family operates from 8.5 – 10.5 GHz and supports both defense and commercial-related radar applications. The CMPA851A025 family achieves 40 W of saturated output power with 30 dB of large signal gain under pulsed operation. CW operation is also an option. The CMPA851A025 family offers both bare die and SMT package solutions allowing the user to improve their SWaP-C benchmarks in meeting next-generation requirements.

Products

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Product SKU	Buy Online	Request Sample	Data Sheet	Recommended For New Design?	Technology	Frequency Min	Frequency Max	Peak Out Power
CMPA851A025S-AMP1	NEW 	 Request Now	Yes	GaN on SiC	8.5 GHz	10.5 GHz	40 W	
CMPA851A025S	NEW 	 Request Now	Yes	GaN on SiC	8.5 GHz	10.5 GHz	40 W	
CMPA851A025D	NEW 	 Request Now	Yes	GaN on SiC	8.5 GHz	10.5 GHz	40 W	

Features

- Superior Overall Performance
- Pulsed and CW Operation
- Small 6 x 6 mm Footprint
- Environmental Protection

Benefits

- High SWAP-C Analysis
- Automated Assembly

Applications

- Defense and Commercial Radar Systems

Technical & Sales Documents	Tools & Support
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Document Type

+

Document Type	Document Name
Application Notes	 Eutectic Die Attach Procedure
Application Notes	 GaN HEMT Bias Sequencing and Temperature Compensation Circuit
Product Catalog	 RF Aerospace & Defense Line Card
Sales Terms	 Wolfspeed, Inc. Sales Terms and Conditions

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