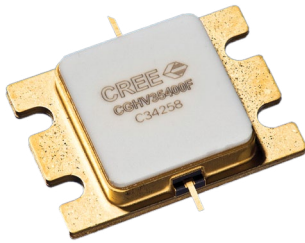


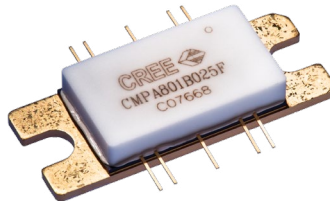
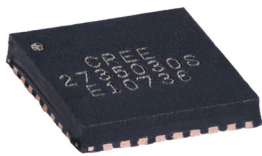
Radar Products, CW & Pulsed

GaN HEMT Transistors & MMICs for L, S, C and X-Band Applications



Product shown :: CGHV35400F

Wolfspeed's GaN HEMT devices are well suited for pulsed and CW applications. The packaged discrete GaN HEMT devices are designed for L, S, C and X-Band applications. The GaN HEMT MMIC 50-ohm amplifiers are designed for L, C, S and X-band applications. Our portfolio offers a wide range of high efficiency GaN HEMT transistors and amplifiers for pulsed through CW applications operations at 28 V, 40 V and 50 V



BENEFITS

- High reliability
- Higher efficiency
- Reduction of heat-sink requirements
- SiC substrate provides the best thermal performance

FEATURES

- GaN-on-SiC technology
- Wide-band performance
- High power density
- High-frequency operation
- High breakdown voltage

PRODUCT SELECTOR PORTFOLIO - PACKAGED

Output Power	L-Band		S-Band		C-Band		X-Band		Device Types
> 6 W	28V CGH40006S CGH40006P	40V CGHV1F006S	28V CGH40006S CGH40006P	40V CGHV1F006S	28V CGH40006S CGH40006P	40V CGHV1F006S	CGHV1F006S CMPA881A005S CMPA1A1C005S		GaN HEMTs & MMICs
>10 W	CGH40010F/P		CGH40010F/P CMPA2735015S		CGH55015F2/P2		CMPA881A010S CMPA1A1C010S		GaN HEMTs & MMICs
> 25 W	28V CGH40025F/P	50V CGHV40030F/P	28V CGH40025F/P	50V CGHV40030F/P CMPA2735030S	28V CGH55030F2/ P2	40V CGHV1F025S	28V CMPA801B025 CMPA601C025	40V CGHV1F025S	GaN HEMTs & MMICs
> 35 W	CGH40035F CGH40045F/P		CGH40035F CGH40045F/P		-		CGHV96050F2		GaN HEMTs & MMICs
>75 W	28V CGH40120F/P	50V CGHV40100F/P	28V CGH40120F/P CG2H30070F CMPA2735075F	50V CGHV40100F/P	CGHV59070F/P		CGHV96100F2		GaN HEMTs & MMICs
> 150 W	CGH40180PP CGHV40200PP		CGHV35150F/P		CGHV50200F		-		GaN HEMTs
> 240 W	CGHV14250F/P		CGH31240F CGH35240F		CGHV59350F/P		-		GaN HEMTs
> 400 W	CGHV14500F/P		CGHV31500F CGHV35400F		-		-		GaN HEMTs
> 800 W	CGHV14800F		-		-		-		GaN HEMTs

PRODUCT SELECTOR PORTFOLIO - BARE DIE

Output Power	L-Band	S-Band	C-Band	X-Band	Device Types
> 6 W	CGH60008D CGHV1J006D	CGH60008D CGHV1J006D	CGH60008D CGHV1J006D	CGHV1J006D CMPA881A005D CMPA1A1C005D	GaN HEMTs
>10 W	CGH60015D	CGH60015D CMPA2735015D	CGH60015D	CMPA881A010D CMPA1A1C010D	GaN HEMTs
> 25 W	CGH60030D, CG2H80030D CGHV60040D CGHV1J025D	CGH60030D, CG2H80030D CGHV60040D CGHV1J025D CMPA2735030D	CGH60030D, CG2H80030D CGHV60040D CGHV1J025D	CGHV1J025D CMPA801D025D CMPA601C025D	GaN HEMTs & MMICs
> 60 W	CGH60060D, CG2H80060D CGHV1J070D CGHV60075D	CGH60060D, CG2H80060D CGHV1J070D CGHV60075D CMPA2735075D	CGH60060D, CG2H80060D CGHV1J070D CGHV60075D	CG2H80060D CGHV1J070D	GaN HEMTs & MMICs
> 120 W	CGH60120D, CG2H50710D CGHV60170D	CGH60120D CGHV60170D	-	-	GaN HEMTs
> 300 W	CGHV40320D	CGHV40320D	-	-	GaN HEMTs

Powering More. Consuming Less.