



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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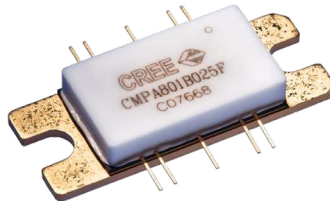
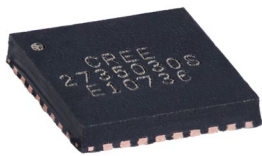
Radar Products, CW & Pulsed

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.