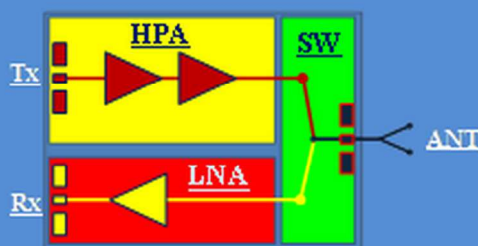
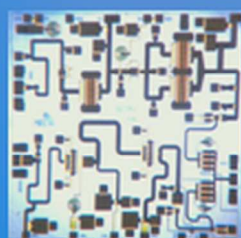




NEW Advanced GaN MMIC Solutions!!!

➤ MECGaNSCTRMX X-Band GaN Single Chip TR-Module



Single MMIC
3x3 mm²

- 8.6 – 11.2 GHz
- Tx_Gain = 23 dB
- Tx_Pout = 39 dBm
- PAE = 25%

- Rx_Gain = 15 dB
- Noise Figure = 2.5 - 3 dB
- Rx_P1dB = 23 dBm
- Rx_Psat = 26 dBm
- Pin_Over = 26 dBm

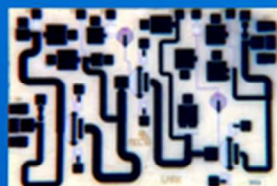
➤ MECGaNLNACX 5 - 12 GHz GaN LNA



3 x 1.3 mm²

- 5 – 12 GHz
- Gain = 21 ÷ 25 dB
- NF = 1.5 ÷ 2.1 dB
- P1dB = 19 dBm
- Psat = 25 dBm
- Pin_Over = 25 dBm

➤ MECGaNLNAX X-Band GaN LNA



3 x 2 mm²

- 7.2 – 11.2 GHz
- Gain = 23 dB
- NF = 1.6 dB
- P1dB = 23 dBm
- Psat = 27 dBm
- Pin_Over = 25 dBm

➤ MECGaNTRSX 8 – 11 GHz GaN TR Switch



3 x 1 mm²

- 8 – 11 GHz
- Loss < 1 dB
- Isolation > 30 dB
- P1dB = 43 dBm
- Pin_max = 46 dBm
- VCtrl: 0V / -30V

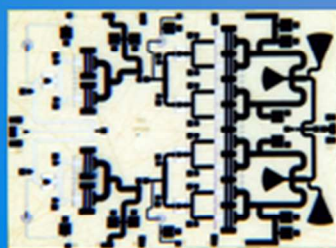
➤ MECGaNWBSPDT DC-20 GHz GaN HEMT SPDT



1.5 x 2 mm²

- Loss @ 12 GHz = 1.4 dB
- Loss @ 20 GHz = 1.7 dB
- Isolation @ 12 GHz > 50 dB
- Isolation @ 20 GHz > 45 dB
- P1dB > 33 dBm
- Pin_max = 40 dBm
- VCtrl: 0V / -30V

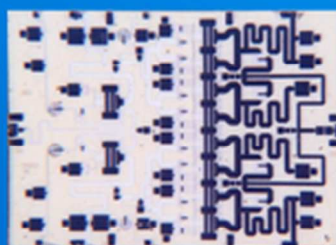
➤ MECGaNX27 27W X-band GaN HPA



5.5 x 4 mm²

- 8.5 – 10.2 GHz
- Psat > 27 W
- PAE > 36 %
- Gain > 24 dB
- Gain @ Psat = 18 dB
- Drain Voltage = 30 V
- Current @ Psat = 3 A

➤ MECGaNC30 30W C-band GaN HPA



5.5 x 3.8 mm²

- 4.1 – 5.9 GHz
- Psat > 30 W
- PAE > 37 %
- Gain > 27 dB
- Gain @ Psat > 17 dB
- Drain Voltage = 28 V
- Current @ Psat = 4 A

Each circuit is readily available for production or customization

To meet your custom requirements contact us at

contact.mec@mec-mmhc.com

"Faber est suae quisque fortunae"