

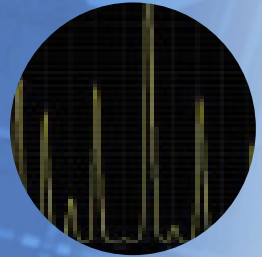
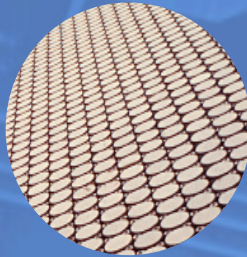
Ultra Low Noise Ka-band Amplifier

25-43GHz

CGY2260UH/C1

Ultra Low Noise Ka-band Amplifier CGY2260UH/C1

The CGY2260UH/C1 has an exceptionally low noise figure of 1.5dB and 24dB of gain over the whole 25-43 GHz frequency band. The on chip matching provides 10 dB of Input Return Loss and Output Return Loss over the frequency range. It can be used in Radar, Telecommunication and instrumentation applications.



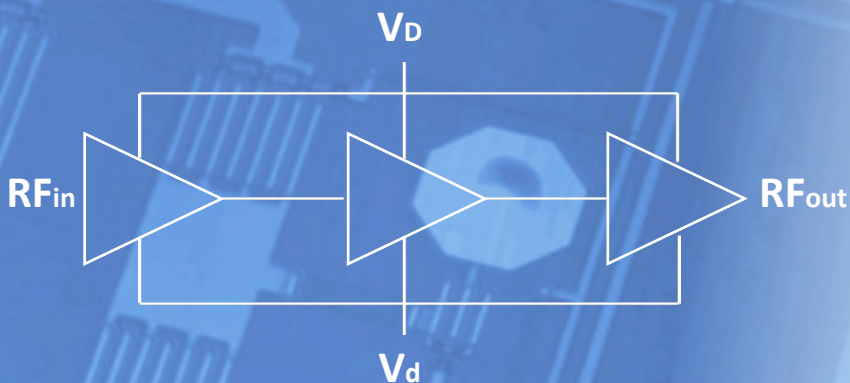
The die is manufactured using OMMIC's advanced 70nm gate length high indium content MHEMT technology. The MMIC uses gold bonding pads and backside metallization and is fully protected with silicon nitride passivation to obtain the highest level of reliability.

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Features

Operate Frequency Range	From 25 to 43 GHz
Noise Figure	1.5 dB from 25 to 43 GHz
Single supply Drain & Gate	
DC Auto biasing regulation	
Gain	24 dB
OP1dB	8 dBm
Input Return Loss	> 10 dB
Output Return Loss	> 15 dB
Power Supply	50 mA at 1.5V
Delivered as 100% on-wafer RF tested dies	
Die Size	3 x 2 mm



CGY2260UH/C1 Bloc Diagram



Your success. Our business.

