

GaAs MMIC POWER AMPLIFIER, 8.5-10.5GHz

Simulated Electrical Parameters

Parameters	Conditions	Typ	Units
Small Signal Gain	8.5 - 10.5GHz	23	dB
Gain Flatness	8.5 – 10.5GHz	±0.5	dB
Input Return Loss	8.5 – 10.5GHz	12	dB
Output Return Loss	8.5 – 10.5GHz	8	dB
Output Power at 1dB gain compression	8.5 – 10.5GHz	37	dBm
Power Added Efficiency (PAE)	9.5GHz	37	%
	8.5 – 10.5GHz	31	%
Total circuit current		2.3	A
Supply Voltage; Vdd		5	V
Gate Voltage; Vgg		-0.3	V

Die size: 4mm x 4mm

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