

GaAs MMIC POWER AMPLIFIER, 13-15GHz

Simulated Electrical Parameters

Parameters	Conditions	Typ	Units
Small Signal Gain	13 – 15GHz	20	dB
Gain Flatness	13 - 15GHz	±1.5	dB
Input Return Loss	13 - 15GHz	12	dB
Output Return Loss	13 - 15GHz	12	dB
Output Power at 1dB gain compression	13 - 15GHz	30	dBm
Output IP3	13 - 15GHz	39	dBm
Total circuit current		1	A
Supply Voltage; Vdd		8	V
Gate Voltage; Vgg		-0.3	V

Die size: 3mm x 2mm

Marconi Caswell Limited, Caswell, Towcester, Northamptonshire, NN12 8EQ

Telephone: + 44 (0) 1327 350581 Fax: + 44 (0) 1327 356775 Website: www.caswelltechnology.com

Caswell Technology is the trading name of Marconi Caswell Limited which is a wholly owned subsidiary of Marconi plc

MCL reserves the right to update or change this specification without notice