

## **CMM0511**

C/X-band 0.1W Driver Amplifier

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**PRELIMINARY SPECIFICATIONS**

**DATE:** 6/12/05

**PRODUCT NAME:** C/X-band 0.1W driver amplifier  
**PRODUCT APPLICATION:** C/X  
**PROJECT ENGINEER:** A.ALEXANDER  
**MASK NUMBER:** M415  
**DIE SIZE:** 1.45 X 1.05mm

**PRODUCT NUMBER:** CMM0511  
**FIRST SAMPLE DATE:** DEC 2005  
**REVISION:** 01

<b>PARAMETER</b>	<b>SYMBOL</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>UNITS</b>
Operating temperature range	T	-40		85	°C
Operating frequency range	F	5		11	GHz
P1dB(*)	P1dB	12	14		dBm
Output power variation over operating frequency	$\Delta P_{sat}$			1.5	dBm
Linear gain (*)	G	18.0	20.0	23.0	dB
Gain variation over operating frequency	$\Delta G$			1.5	dB
Input reflection coefficient (*)	S11		-12	-10	dB
Output reflection coefficient (*)	S22		-12	-10	dB
Drain supply voltage (Note: 7V available)	Vdd		5		V
Idd (Single Supply Operation)(*)	Idd		75	100	mA

\*These specifications shall be met over the specified temperature and frequency range.

Packaging to be 3X3mm QFN package.