12GHz-Band Local Oscillator, Amplifier Applications

Features

· Ceramic package

SANYO

- · Low noise figure, high gain
- · Adoption of high reliable protection film

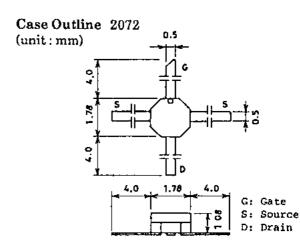
Absolute Maximum Ratings at Ta = 25°C						
Drain to Source Voltage	$v_{ m DS}$					
Gate to Source Voltage	$ m v_{GS}$					
Drain Current	$l_{\mathbf{D}}$					
Allowable Power Dissipation	${ m P_D}$					
Junction Temperature	Tj					
Storage Temperature	Tstg					

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elities.	//5	٧
	/ _5	V
all de la company	70 270 150 + 150	mΑ
a de la companya dela companya dela companya de la companya de la companya de la companya dela companya de la companya de la companya de la companya de la companya dela companya de la co	270	mW
and the second	150	°C
65 to	± 150	°C

Electrical Characteristics at Ta = 25
Gate to Drain Breakdown Voltage
Gate Cutoff Current
Drain Current
Gate to Source Cutoff Voltage
Forward Transfer Admittance
Noise Figure
Associated Gain
Maximum Available Power Gain
Maximum Available Power Gain Maximum Oscillation Frequency

5°C	all the state of t		selle.	A A A	min	typ	max	unit
V _{(BR)GDS}	;∕1g= –	10μ Α, V _D	s=0V _₃		-5			V
I _{GSS}	∕V _{GS} =	$-3V_{DS}$	=0V/	de de la companya de			-10	μA
IDSS /	$V_{DS} =$	$3V_iV_{GS} =$	0 V ///		20	30	60	mA
V _{GS(off)}	$V_{DS} =$	$3V_{1D} = 10$	Aµ00	-	- 0.5		-2.5	V
y _{fs}	V _{DS} =	$3V_{\rm J} = 10$)mA		35	40		mS
NF				f = 12GHz		1.5		dB
∕Ga 🤎				f = 12GHz		8		dB
MAG				= 12GHz		13		dB
fmax	V _{DS} =	$3V_AI_D = 30$	0mA			100		GHz

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