TOSHIBA TA4008F

TOSHIBA BIPOLAR LINEAR INTEGRATED CIRCUIT SILICON MONOLITHIC

TA4008F

1.6GHz BAND BUFFER AMPLIFIER APPLICATION

FEATURES

Low current : I_{CC} = 9mA (Typ.)

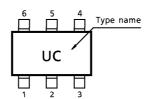
■ Recommended operating voltage : V_{CC} = 2.7~3.3V

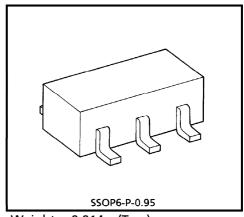
PIN ASSIGNMENT (TOP VIEW)



V_{CC} GND OUT

MARKING



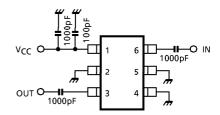


Weight: 0.014g (Typ.)

MAXIMUM RATING (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	Vcc	6	V
Total Power Dissipation	P _D (*)	300	mW
Operating Temperature	T _{opr}	<i>-</i> 40∼85	°C
Storage Temperature Range	T _{stg}	- 55∼125	°C

TEST CIRCUIT 1



(*) When mounted on the glass epoxy board of 2.5cm² x 1.6t.

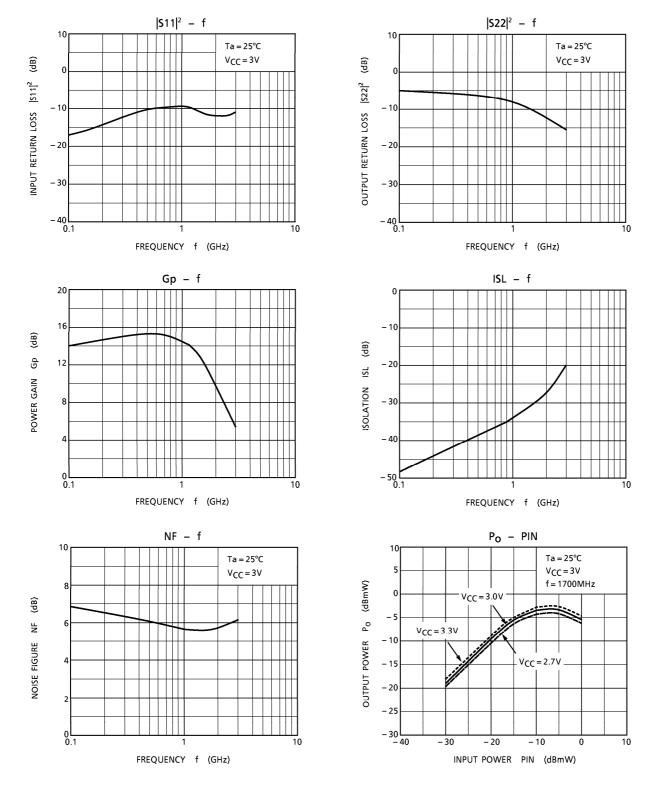
ELECTRICAL CHARACTERISTICS ($V_{CC} = 3V$, Ta = 25°C, $Zg = ZI = 50\Omega$)

CHARACTERISTIC	SYMBOL	TEST CIR- CUIT	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Circuit Current	lcc	_	Non carrier	_	9	12	mA
Frequency Range	frange	_	_	1640	_	1700	MHz
Power Gain	Gp	1	f = 1640~1700MHz	8	11	14	dB
Noise Figure	NF	1		_	6	9	dB
Isolation	ISL	1		25	30	_	dB
Input VSWR	VSWRin	1		_	1.8	2.5	_
Output VSWR	VSWRout	1		_	1.9	2.5	_
Maxmum Output Power	Po	1	f = 1640~1700MHz, Pin = - 8dBmW	_	-3	_	dBmW

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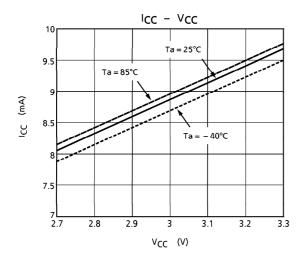
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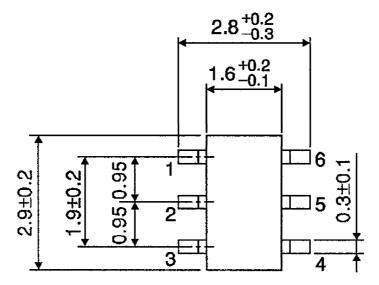
961001EBA2'

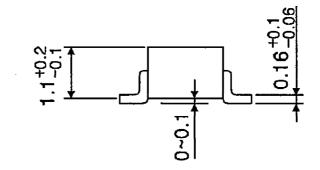
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OUTLINE DRAWING SSOP6-P-0.95

Unit: mm





Weight: 0.014g (Typ.)