TOSHIBA TA4015FE

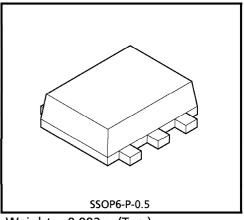
TOSHIBA BIPOLAR LINEAR INTEGRATED CIRCUIT SILICON MONOLITHIC

TA4015FE

TA4015FE USE FOR CRYSTAL OSCILLATORS

FEATURES

- Bias resistors, a transistor for oscillation and a transistor for buffer are packed in one package; hence, TA4015FT can easily compose a crystal oscillator.
- TA4015FE comes with a 6-pin thin ultra-compact package and is suitable for super-high density mounting.



Weight: 0.003 g (Typ.)

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Supply Voltage	Vcc	6	V
Circuit Current	lcc	9	mA
Total Power Dissipation	PD	100	mW
Junction Temperature	Тј	125	°C
Storage Temperature	T _{stg}	- 55∼125	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Circuit Current	lcc	V _{CC} = 3.0 V	1.10	1.32	1.52	mA
Oscillator Base Voltage	VOSCB	V _{CC} = 3.0 V	1.65	1.71	1.79	V
Oscillator Emitter Voltage	VOSCE	V _{CC} = 3.0 V	0.92	0.99	1.06	V
Buffer Base Voltage	V _{BuffB}	V _{CC} = 3.0 V	2.20	2.28	2.36	V
Fout Voltage	V _{Fout}	V _{CC} = 3.0 V	1.95	2.02	2.10	V

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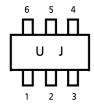
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CHARACTERISTIC	SYMBOL	TYP.	UNIT
R1 Resistance	R ₁	7.5	kΩ
R2 Resistance	R ₂	6.8	kΩ
R3 Resistance	R ₃	24	kΩ
R4 Resistance	R ₄	820	Ω
R5 Resistance	R ₅	820	Ω

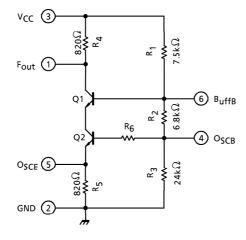
MARKING



CAUTION

Because of this product structure, when handling this product, please be sure to protect work desk, human body and soldering irons from electrostatics.

EQUIVALENT CIRCUIT DIAGRAM

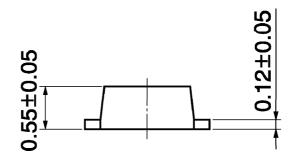


PACKAGE DIMENSIONS SSOP6-P-0.5

1.6±0.05 1.2±0.05 1.2±0.05 6 5 7 0 5 1.0±0.05

3

Unit: mm



Weight: 0.003 g (Typ.)