

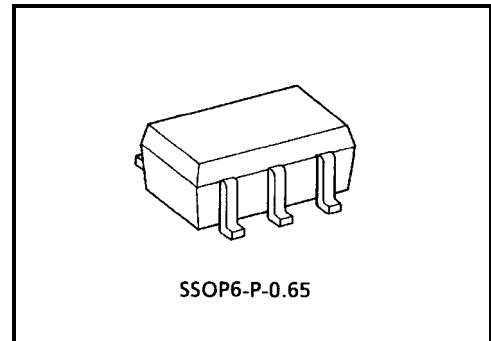
TOSHIBA Bipolar Linear Integrated Circuit Silicon Monolithic

TA4015FT

TA4015FT 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.
- TA4015FT comes with a 6-pin thin ultra-compact package and is suitable for super-high density mounting.



Maximum Ratings (Ta = 25°C)

Weight: 0.008 g (typ.)

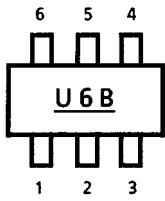
Characteristics	Symbol	Rating	Unit
Power supply voltage	V _{CC}	6	V
Circuit current	I _{CC}	9	mA
Total power dissipation	P _D	200	mW
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55~125	°C

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Circuit current	I _{CC}	—	V _{CC} = 3.0 V	1.10	1.32	1.52	mA
Oscillator base voltage	V _{OscB}	—	V _{CC} = 3.0 V	1.65	1.71	1.79	V
Oscillator emitter voltage	V _{OscE}	—	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

Characteristics	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

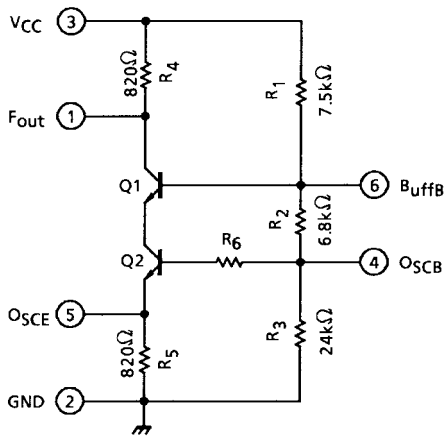
Marking



Caution

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

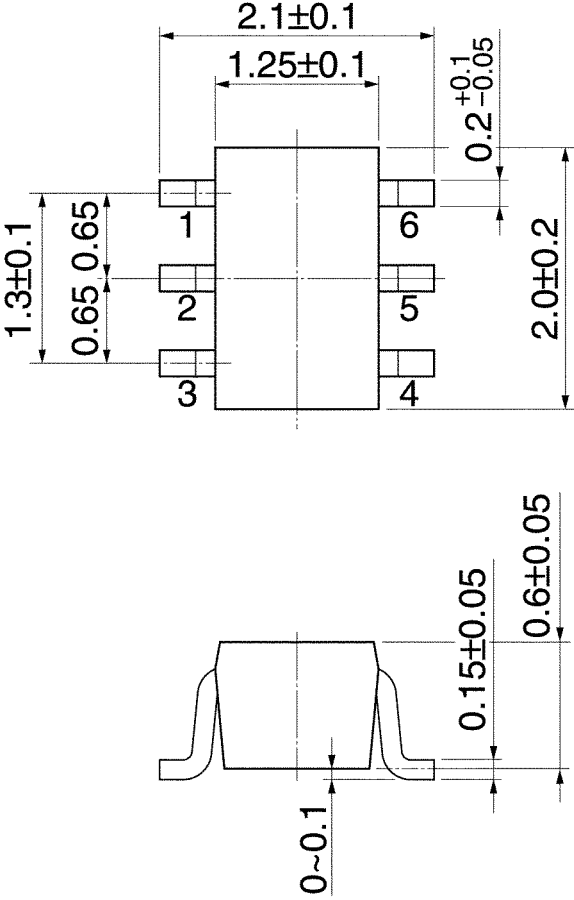
Equivalent Circuit Diagram



Package Dimensions

SSOP6-P-0.65

Unit: mm



Weight: 0.008 g (typ.)

RESTRICTIONS ON PRODUCT USE

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