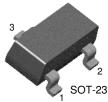
KST63/64



SEMICONDUCTOR®

KST63/64

Darlington Transistor



1. Base 2. Emitter 3. Collector

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_a=25$ °C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-30	V
V _{CES}	Collector-Emitter Voltage	-30	V
V _{EBO}	Emitter-Base Voltage	-10	V
с	Collector Current	-500	mA
°c	Collector Power Dissipation	350	mW
T _{STG}	Storage Temperature	150	°C

Electrical Characteristics $T_a=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
BV _{CES}	Collector-Emitter Breakdown Voltage	I _C = -100, V _{BE} =0	-30		V
I _{CBO}	Collector Cut-off Current	V _{CE} = -30V, I _E =0		-100	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} = -10V, I _C =0		-100	nA
h _{FE}	* DC Current Gain : KST63 : KST64 : KST63 : K ST64	V _{CE} = -5V, I _C = -10mA V _{CE} = -5V, I _C = -100mA	5K 10K 10K 20K		
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -100mA, I _B = -0.1mA		-1.5	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -5V, I _C = -100mA		-2.0	V
f _T	Current Gain Bandwidth Product	V _{CE} = -5V, I _C = -10mA f=100MHz	125		MHz

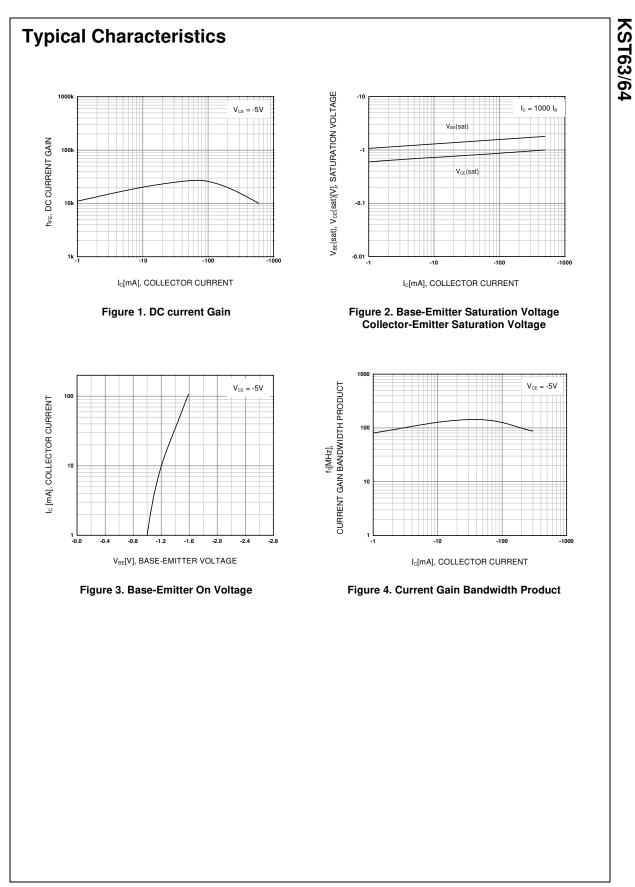
* Pulse test: PW≤300µs, Duty Cycle≤2%

Marking Code

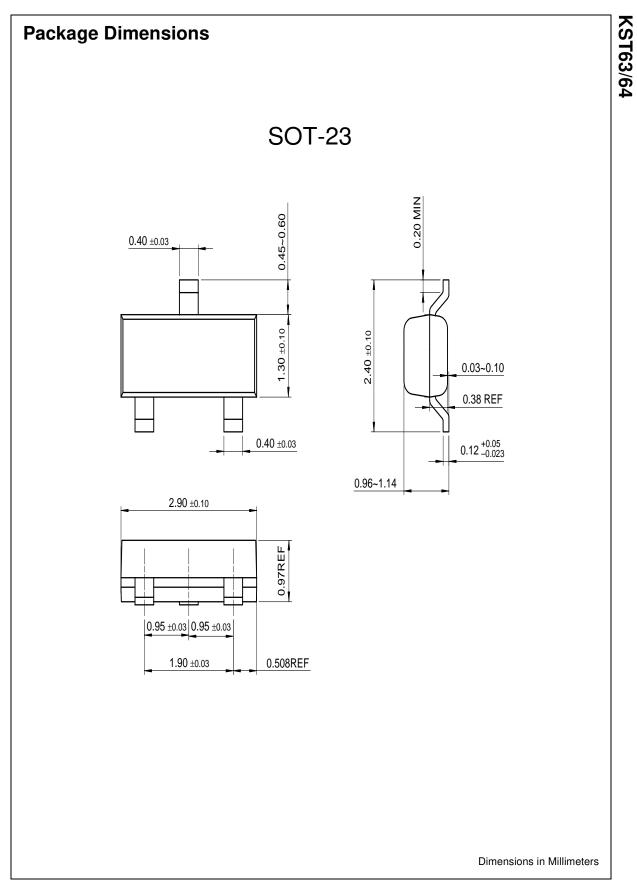
Туре	KST63	KST64	
Mark	2U	2V	







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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.