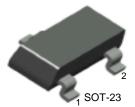
FAIRCHILD

SEMICONDUCTOR M

KST812M3/M4/M5/M6/M7

General Purpose 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	-50	V	
V _{CEO}	Collector-Emitter Voltage	-40	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
I _C	Collector Current	-100	mA	
P _C	Collector Dissipation	350	mW	
T _{STG}	Storage Temperature	150	°C	

Refer to KST5088 for graphs

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

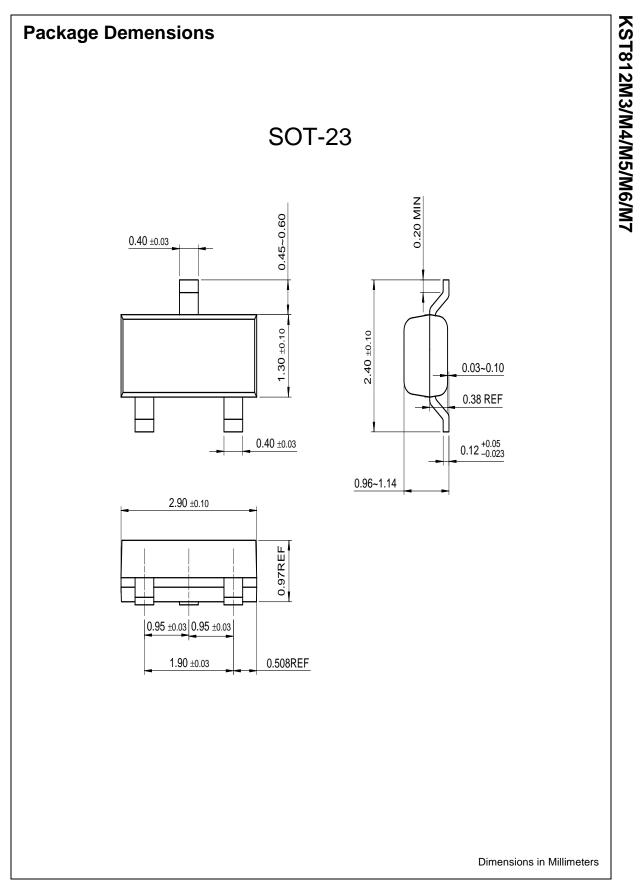
Symbol	Parameter	Test Condition	Min.	Max.	Units
I _{CBO}	Collector Cut-off Current	V _{CB} = -40V, I _E =0		-100	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} = -5V, I _C =0		-100	nA
h _{FE}	DC Current Gain : KST812M3 : KST812M4 : KST812M5 : KST812M6 : KST812M7	V _{CE} = -6V, I _C = -1mA	60 90 135 200 300	120 180 270 400 600	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -30mA, I _B = -3mA		-0.5	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -6V, I _C = -1mA		-0.8	V

Marking Code

Туре	KST812M3	KST812M 4	KST812M5	KST812M6	KST812M7
Mark	M3	M4	M5	M6	M7







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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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