

Excellent Integrated System Limited

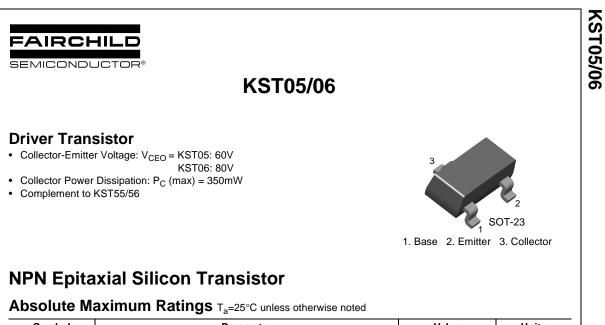
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Fairchild Semiconductor KST06MTF

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>





Symbol	Parameter	Value	Units
V _{CBO}	Collecto-Base Voltage		
	: KST05	60	V
	: KST06	80	V
V _{CEO}	Collector-Emitter Voltage		
	: KST05	60	V
	: KST06	80	V
V _{EBO}	Emitter-Base Voltage	4	V
I _C	Collector Current	500	mA
P _C	Collector Power Dissipation	350	mW
T _{STG}	Storage Temperature	150	°C
R _{TH} (j-a)	Thermal Resistance junction to Ambient	357	°C/W

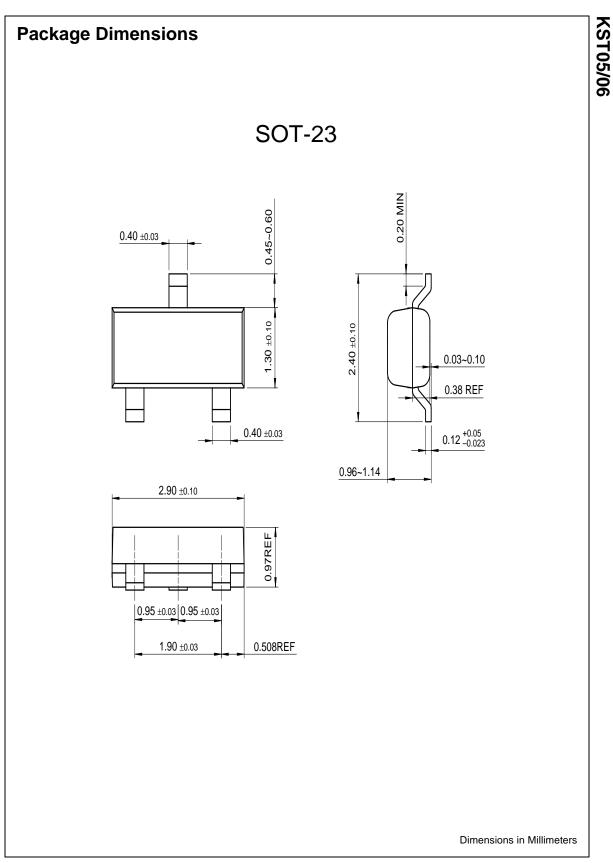
Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
BV _{CEO}	* Collector-Emitter Breakdown Voltage : KST05	I _C =1mA, I _B =0	60		v
	: KST06		80		V
BV_{EBO}	Emitter-Base Breakdown Voltage	I _E =100μA, I _C =0	4		V
I _{CBO}	Collector Cut-off Current : KST05 : KST06	V_{CB} =60V, I _E =0 V_{CB} =80V, I _E =0		0.1 0.1	μΑ μΑ
I _{CEO}	Collector Cut-off Current	V _{CE} =60V, I _B =0		0.1	μΑ
h _{FE}	DC Current Gain	V _{CE} =1V, I _C =10mA V _{CE} =1V, I _C =100mA	50 50		
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =100mA, I _B =10mA		0.25	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} =1V, I _C =100mA		1.2	V
fт	Current Gain Bandwidth Product	V _{CE} =2V, I _C =100mA, f=100MHz	100		MHz



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Programmable Active Droop™		OPTOPLANAR™	SMART START™		

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