imall

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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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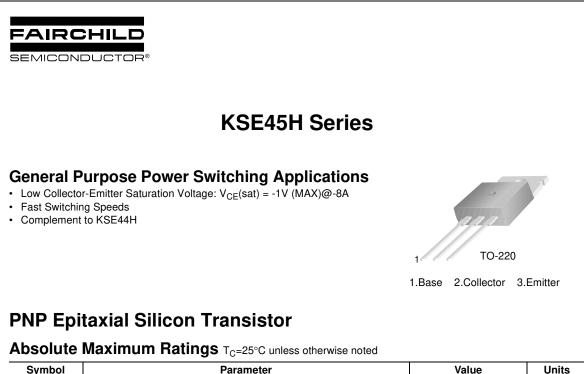
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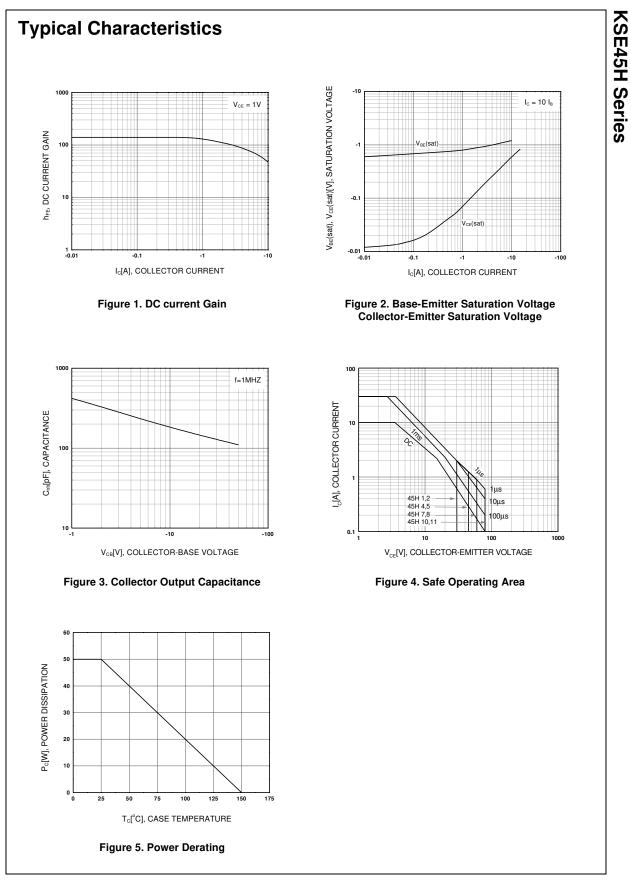
Symbol	Parameter	Value	Units	
V _{CEO}	Collector-Emitter Voltage : KSE45H 1,2	- 30	V	
	: KSE45H 4,5	- 45	V	
	: KSE45H 7,8	- 60	V	
	: KSE45H 10,11	- 80	V	
V _{EBO}	Emitter- Base Voltage	- 5	V	
Ι _C	Collector Current (DC)	- 10	A	
I _{CP}	*Collector Current (Pulse)	- 20	A	
P _C	Collector Dissipation (T _C =25°C)	50	W	
P _C	Collector Dissipation (T _a =25°C)	1.67	W	
TJ	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	- 55 ~ 150	°C	

Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CES}	Collector Cut-off Current	V_{CE} = Rated, V_{CEO} , V_{EB} = 0			-10	μΑ
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$			-100	μΑ
h _{FE}	*DC Current Gain : KSE45H 1, 4, 7 10 : KSE45H 2, 5, 8,11	V _{CE} = - 1V, I _C = - 2A	35 60			
V _{CE} (sat)	*Collector-Emitter Saturation Voltage : KSE45H 1, 4, 7 10 : KSE45H 2, 5, 8,11	I _C = - 8A, I _B = - 0.8A I _C = - 8A, I _B = - 0.4A			-1 -1	V V
V _{BE} (sat)	*Base-Emitter Saturation Voltage	I _C = - 8A, I _B = - 0.8A			-1.5	V
f _T	Current Gain Bandwidth Product	V _{CE} = - 10V, I _C = - 0.5A		40		MHz
C _{ob}	Output Capacitance	V _{CB} = - 10V, f = 1MHz		230		pF
t _{ON}	Turn ON Time	V _{CC} =20V, I _C = - 5A		135		ns
t _{STG}	Storage Time	I _{B1} = - I _{B2} = - 0.5A		500		ns
t _F	Fall Time	1		100		ns

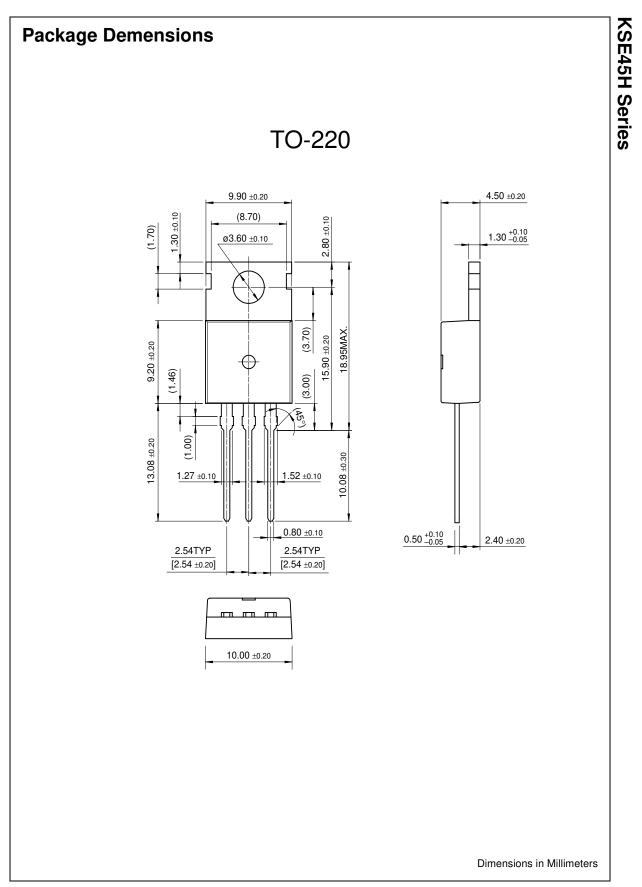
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KSE45H Series



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Rev. A1, June 2001



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