

1 I-PACK 1. Base 2. Collector 3. Emitter KSA1244

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

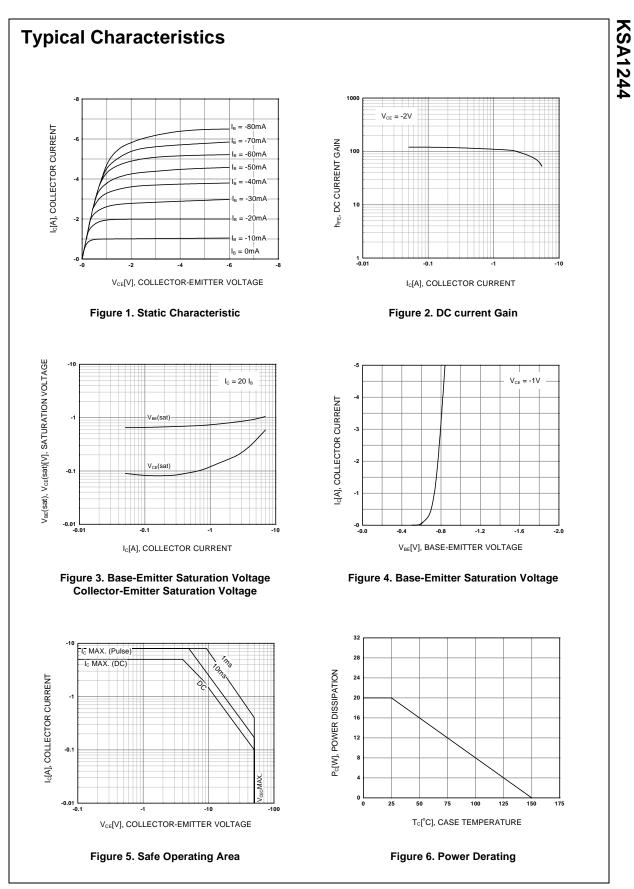
Symbol	Parameter	Ratings	Units
V _{CBO}	Collector-Base Voltage	- 60	V
V _{CEO}	Collector-Emitter Voltage	- 50	V
V _{EBO}	Emitter-Base Voltage	- 5	V
I _B	Base Current	- 1	А
I _C	Collector Current	- 5	A
P _C	Collector Dissipation (T _a =25°C)	1	W
P _C Pc	Collector Dissipation (T _C =25°C)	20	W
Тј	Junction Temperature	150	°C
Т _{STG}	Storage Temperature	- 55 ~ 150	°C

Electrical Characteristics ${\sf T}_C{=}25^{\circ}{\rm C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = - 10mA, I _B = 0	- 50			V
I _{CBO}	Collector Cut-off Current	$V_{CB} = -50V, I_E = 0$			-1	μΑ
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$			-1	μΑ
h _{FE1}	DC Current Gain	V _{CE} = - 1V, I _C = - 1A	70		240	
h _{FE2}		$V_{CE} = -1V, I_{C} = -3A$	30			
V _{CE} (Sat)	Collector-Emitter Saturation Voltage	I _C = - 3A, I _B = - 0.15A			-0.5	V
V _{BE} (Sat)	Base-Emitter Saturation Voltage	I _C = - 3A, I _C = - 0.15A		- 0.9	-1.2	V
f _T	Current Gain Bandwidth Product	$V_{CE} = -4V, I_{C} = -1A$		60		MHz
Cob	Output Capacitance	V _{CB} = - 10V, f = 1MHz		170		pF
t _{ON}	Turn ON Time	V _{CC} = - 30V, I _C = - 3A		0.1		μs
t _{STG}	Storage Time	I _{B1} = -I _{B2} = - 0.15A		1		μs
t _F	Fall Time	$R_L = 10\Omega$		0.1		μs

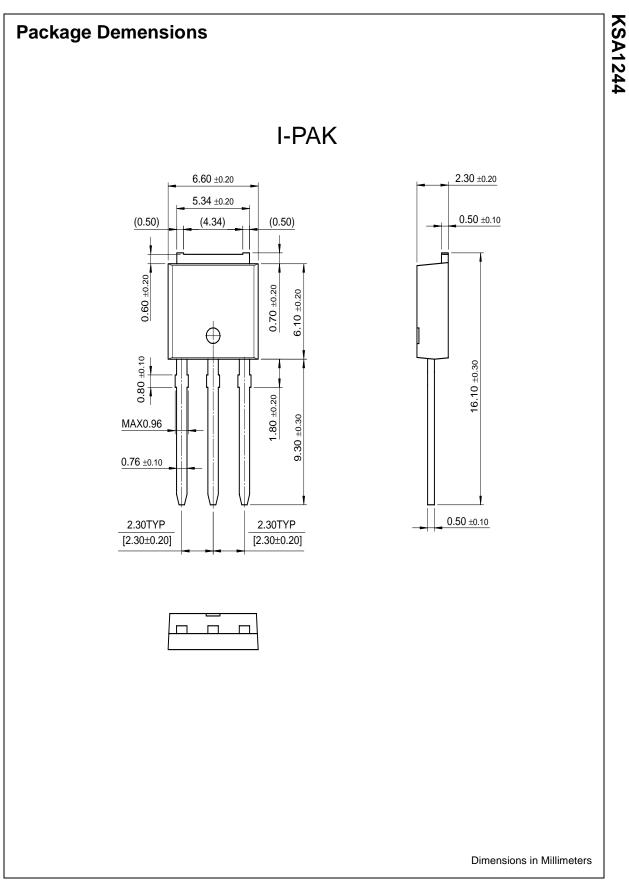
h_{FE} Classification

Classification	0	Y		
h _{FE1}	70 ~ 140	120 ~ 240		



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