

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings	T _a =25°C unless otherwise noted
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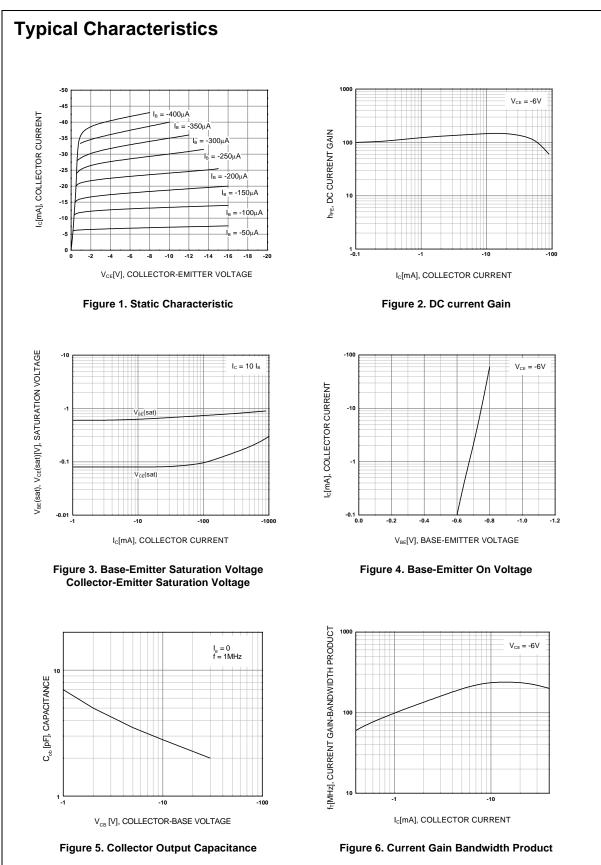
Symbol	Parameter	Ratings	Units
V _{CBO}	Collector-Base Voltage	-60	V
V _{CEO}	Collector-Emitter Voltage	-50	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current	-150	mA
Pc	Collector Power Dissipation	250	mW
Т _Ј	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C
Electrical	Characteristics T _a =25°C unless otherwise noted	A TE WWW	.0750.5

Electrical Characteristics Ta=25°C unless otherwise noted

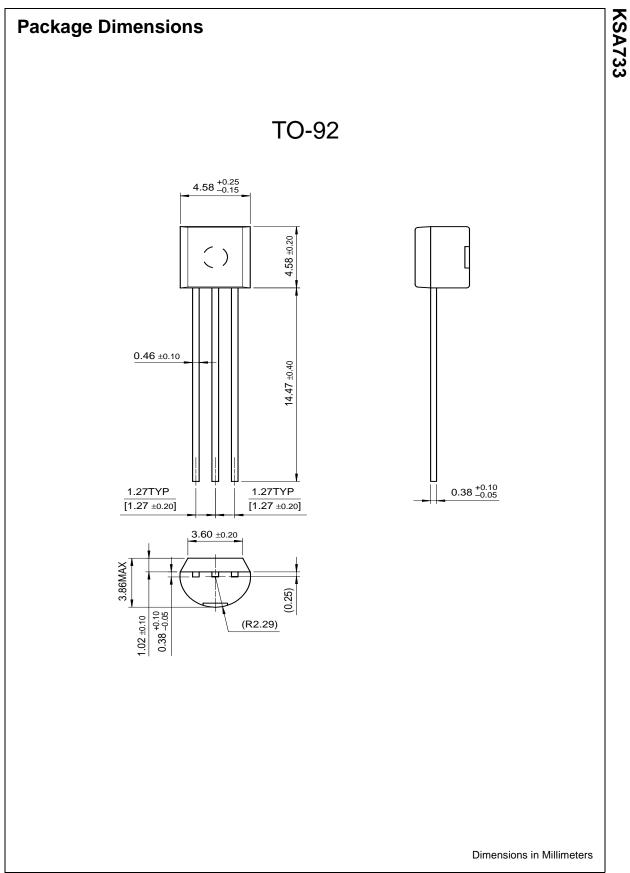
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -100μΑ, I _E =0	-60			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA. I _B =0	-50			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -10μΑ. I _C =0	- 5			V
I _{CBO}	Collector Cut-off Current	V _{CB} =60V, I _E =0			-100	nA
IEBO	Emitter Cut-off Current	V _{EB} = -5V, I _C =0			-100	nA
h _{FE}	DC Current Gain	V _{CE} = -6V, I _C = -1mA	40		700	- 5
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -100mA, I _B = -10mA		-0.18	-0.3	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -6V, I _C = -1mA	-0.50	-0.62	-0.80	V
f _T	Current Gain Bandwidth Product	V _{CE} = -6V, I _C = -10mA	50	180	4 0Z	MHz
C _{ob}	Output Capacitance	V_{CB} = -10V, I_{E} = 0, f=1MHz		2.8		pF
NF	Noise Figure	V _{CE} = - <mark>6V</mark> , I _C = -0.3mA f=1MHz, Rs=10kΩ		6.0	20	dB

h_{FE} Classification

Classification	R	0	Y	G	L
h _{FE}	40 ~ 80	70 ~ 140	120 ~ 240	200 ~ 400	350 ~ 700



KSA733



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