

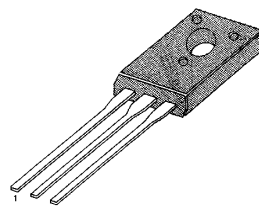
**HIGH COLLECTOR-EMITTER
SUSTAINING VOLTAGE
HIGH VOLTAGE GENERAL PURPOSE
APPLICATIONS
SUITABLE FOR TRANSFORMER**

Complement to KSE350

ABSOLUTE MAXIMUM RATINGS

Characteristic	Symbol	Rating	Unit
Collector- Base Voltage	V_{CBO}	300	V
Collector-Emitter Voltage	V_{CEO}	300	V
Emitter- Base Voltage	V_{EBO}	5	V
Collector Current	I_C	500	mA
Collector Dissipation ($T_c=25^\circ\text{C}$)	P_C	20	W
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature	T_{STG}	-65 ~ 150	$^\circ\text{C}$

TO-18

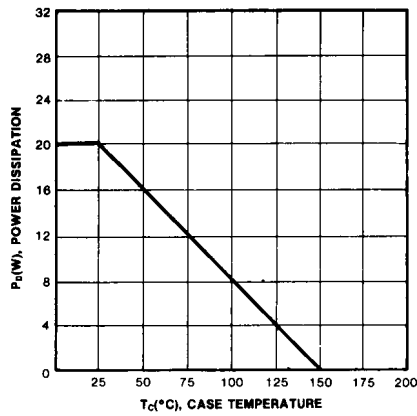


1. Emitter 2. Collector 3. Base

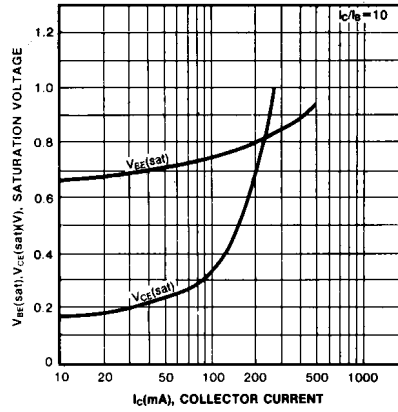
ELECTRICAL CHARACTERISTICS ($T_c=25^\circ\text{C}$)

Characteristic	Symbol	Test Condition	Min	Max	Unit
Collector Emitter Sustaining Voltage	$V_{CEO(sus)}$	$I_C = 1\text{mA}, I_B = 0$	300		V
Collector Cutoff Current	I_{CBO}	$V_{CB} = 300\text{V}, I_E = 0$		100	μA
Emitter Cutoff Current	I_{EBO}	$V_{BE} = 3\text{V}, I_C = 0$		100	μA
DC Current Gain	h_{FE}	$V_{CE} = 10\text{V}, I_C = 50\text{mA}$	30	240	

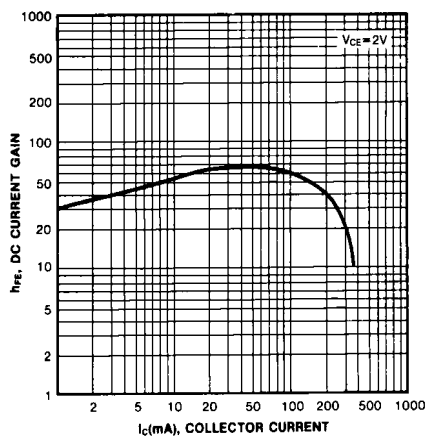
POWER DERATING



COLLECTOR-EMITTER SATURATION VOLTAGE
BASE-EMITTER SATURATION VOLTAGE



DC CURRENT GAIN



FORWARD BIAS SAFE OPERATING AREA

