

isc Silicon NPN Power Transistor
KSE340
DESCRIPTION

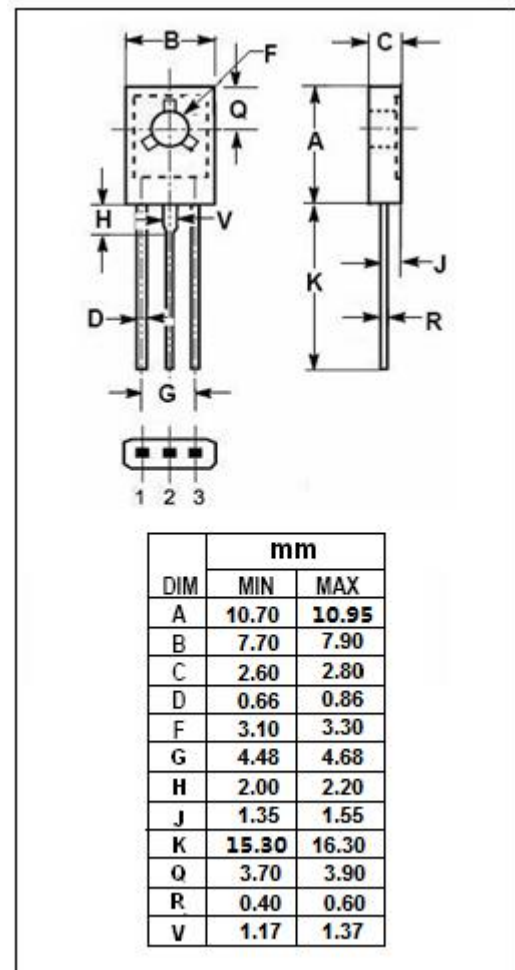
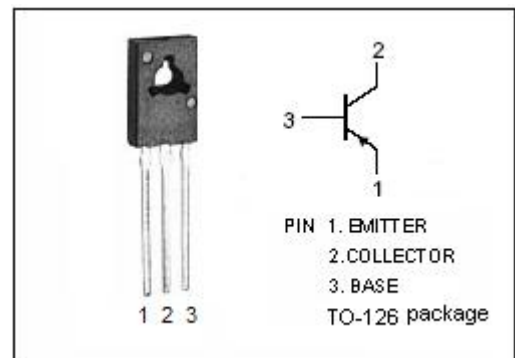
- High Collector-Emitter breakdown voltage
- Low Collector Saturation Voltage
- Complement to Type KSE350
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- High voltage general purpose applications
- Suitable for transform

ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	300	V
V_{CEO}	Collector-Emitter Voltage	300	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	0.5	A
P_C	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	20	W
	Collector Power Dissipation @ $T_a=25^\circ\text{C}$	1.3	
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



isc Silicon NPN Power Transistor**KSE340****ELECTRICAL CHARACTERISTICS** $T_C=25^{\circ}\text{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
I_{CBO}	Collector Cutoff Current	$V_{CB}= 300\text{V}; I_E= 0$			100	μA
I_{EBO}	Emitter Cutoff Current	$V_{EB}= 3\text{V}; I_C= 0$			100	μA
h_{FE}	DC Current Gain	$I_C= 50\text{mA}; V_{CE}= -10\text{V}$	30		240	

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