

DESCRIPTION

- Collector-Emitter Sustaining Voltage–
: $V_{CEO(SUS)} = 350V$ (Min)
- DC Current Gain–
: $h_{FE} = 30\sim 240$ (Min) @ $I_C = 50mA$
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

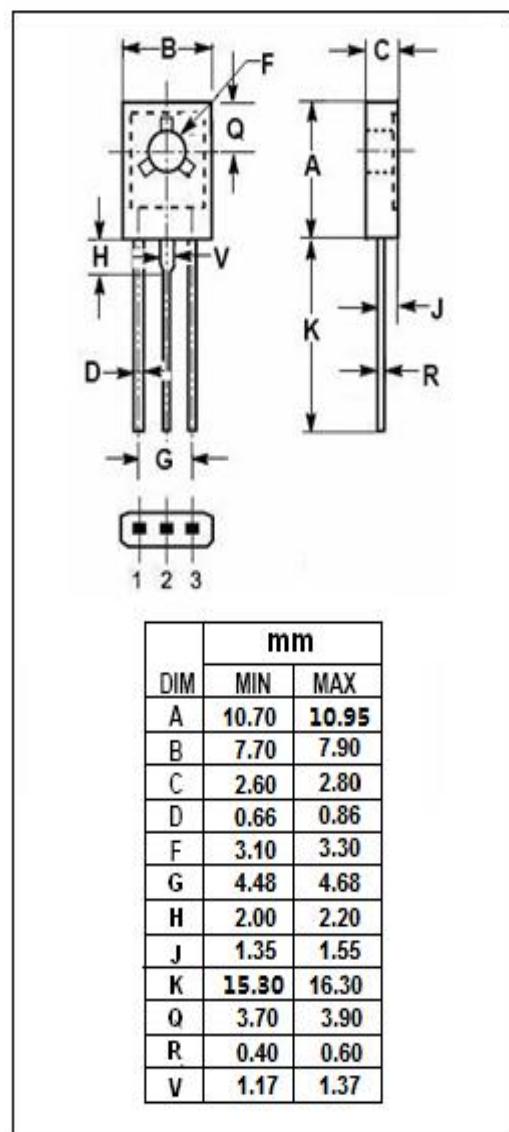
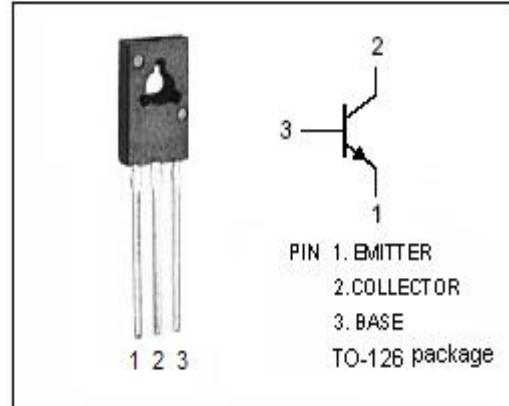
- Designed for power output stages for television, radio, phonograph and other consumer product applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	375	V
V_{CEO}	Collector-Emitter Voltage	350	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	0.5	A
I_{CM}	Collector Current-Peak	1.0	A
I_B	Base Current-Continuous	0.25	A
P_c	Collector Power Dissipation $T_c=25^\circ C$	20	W
T_i	Junction Temperature	150	°C
T_{stg}	Storage Temperature Range	-65~150	°C

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th(j-c)}$	Thermal Resistance, Junction to Case	6.25	°C/W



ELECTRICAL CHARACTERISTICS**T_c =25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = 1.0mA; I _B = 0	350		V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = 0.1mA; I _E = 0	375		V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 0.1mA; I _C = 0	5		V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 50mA ;I _B = 5mA		1.0	V
I _{CO}	Collector Cutoff Current	V _{CB} = 375V; I _E = 0		0.1	mA
I _{EO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0		0.1	mA
h _{FE}	DC Current Gain	I _C = 50mA; V _{CE} = 10V	30	240	

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