

DESCRIPTION

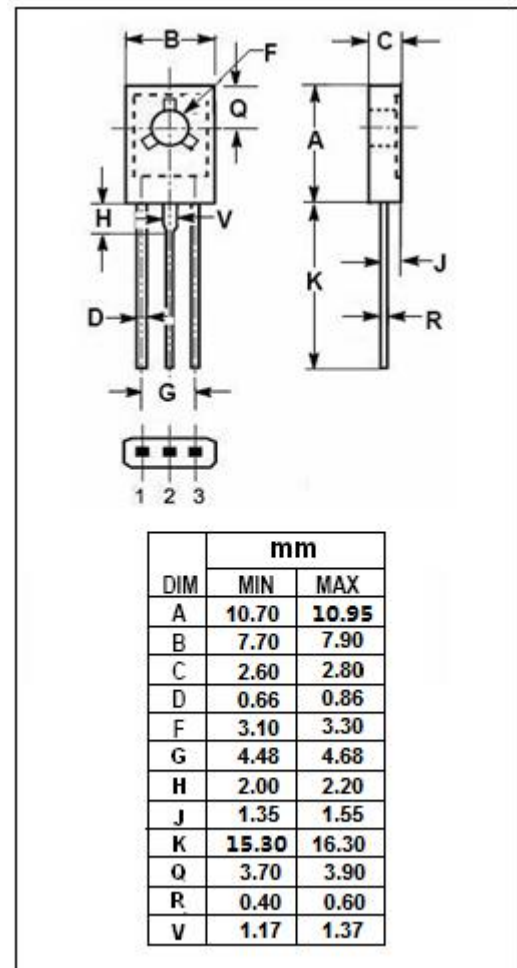
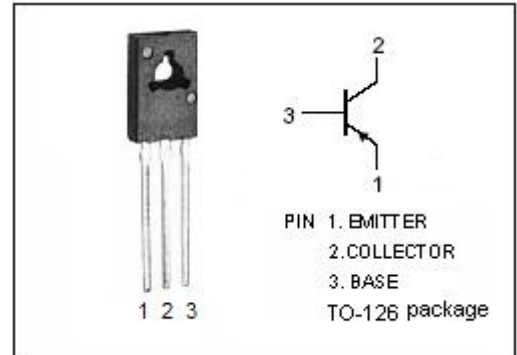
- Low Collector Saturation Voltage
- High voltage
- High speed switching
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- CRT display, video output

ABSOLUTE MAXIMUM RATINGS (T_a=25°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	-0.1	A
P _C	Total Power Dissipation @ T _a =25°C	1.2	w
	Total Power Dissipation @ T _C =25°C	7	W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C



ELECTRICAL CHARACTERISTICS

 T_c=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -20mA; I _B = -2mA			-0.6	V
V _{BE(sat)}	Collector-Emitter Saturation Voltage	I _C = -20mA; I _B = -2mA			-1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -200V; I _E = 0			-0.1	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -4V; I _C = 0			-0.1	μ A
h _{FE}	DC Current Gain	I _C = -10mA ; V _{CE} = -10V	40		320	

◆ h_{FE} Classifications

C	D	E	F
40-80	60-120	100-200	160-320

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