

DESCRIPTION

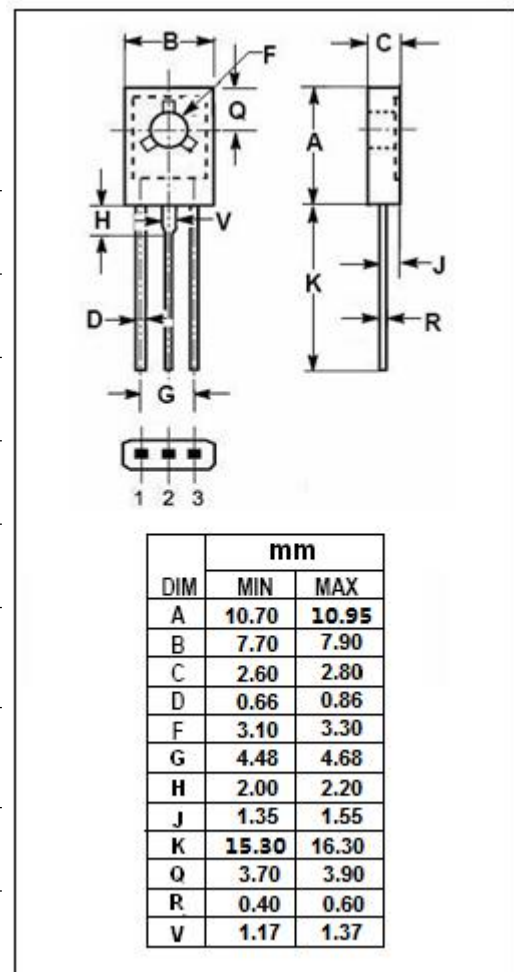
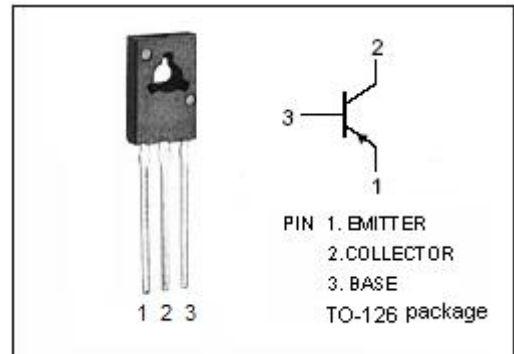
- Low Collector Saturation Voltage
- High voltage
- High speed switching
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Audio frequency power amplifier
- High frequency power amplifier
- DC-DC converter

ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-160	V
V _{CEO}	Collector-Emmitter Voltage	-160	V
V _{EBO}	Emmitter-Base Voltage	-5	V
I _c	Collector Current-Continuous	-1.2	A
P _C	Total Power Dissipation @ T _a =25°C	1.2	w
	Total Power Dissipation @ T _c =25°C	20	W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C



ELECTRICAL CHARACTERISTICST_c=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -1A; I _B = -200mA			-0.7	V
V _{BE(sat)}	Collector-Emitter Saturation Voltage	I _C = -1A; I _B = -200mA			-1.3	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -160V; I _E = 0			-1	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -3V; I _C = 0			-1	μ A
h _{FE}	DC Current Gain	I _C = -300mA; V _{CE} = -5V	60		320	

◆ **h_{FE} Classifications**

R	O	Y
60-120	100-200	160-320

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