

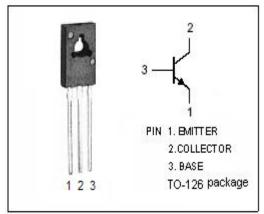
isc Silicon NPN Power Transistor

DESCRIPTION

- · Good Linearity of hFE
- High Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 300V(Min)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

 Designed for use in power output stages and line driver in TV receivers.

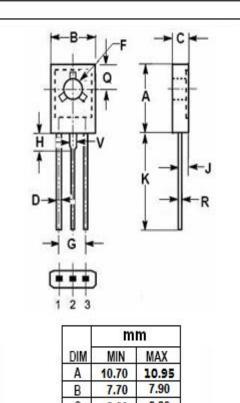


ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
Vces	Collector-Emitter Voltage	500	V	
V _{CEO}	Collector-Emitter Voltage	300	V	
V _{EBO}	Emitter-Base Voltage 5.0		V	
Ic	Collector Current-Continuous 0.5		Α	
I _B	Base Current-Continuous	0.25	Α	
Pc	Collector Power Dissipation @T _C =25°C	er Dissipation 20		
TJ	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$	

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	6.25	°C/W



DIM	MIN	MAX
Α	10.70	10.95
В	7.70	7.90
С	2.60	2.80
D	0.66	0.86
F	3.10	3.30
G	4.48	4.68
Н	2.00	2.20
J	1.35	1.55
K	15.30	16.30
Q	3.70	3.90
R	0.40	0.60
٧	1.17	1.37



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BD232

ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = 10mA; I _B = 0	300			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 150mA; I _B = 15mA			1.0	V
I _{CES}	Collector Cutoff Current	V _{CE} = 500V; V _{BE} = 0			100	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			10	μА
h _{FE-1}	DC Current Cain	I _C = 50mA ; V _{CE} = 5V	25		150	
h _{FE-2}	DC Current Cain	I _C = 150mA ; V _{CE} = 5V	20			



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