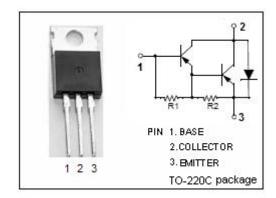


isc Silicon PNP Darlington Power Transistor

BDX34A

DESCRIPTION

- · Collector-Emitter Sustaining Voltage-
 - : V_{CEO(SUS)}= -60V(Min)
- · High DC Current Gain
 - : h_{FE}= 750(Min) @I_C= -4A
- · Low Collector Saturation Voltage
 - : V_{CE(sat)}= -2.5V(Max.)@ I_C= -4A
- · Complement to Type BDX33A
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

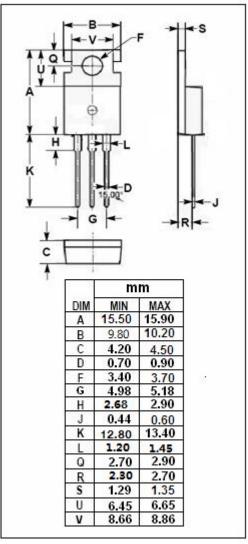
 Designed for general purpose amplifier and low speed switching applications.

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage -60		V
V _{CEO}	Collector-Emitter Voltage	-60	V
V _{EBO}	Emitter-Base Voltage -5		V
Ic	Collector Current-Continuous -10		Α
I _{CM}	Collector Current-Peak	-15	Α
Ι _Β	Base Current-Continuous	-0.25	А
Pc	Collector Power Dissipation @ T _C =25℃	70	W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range -65~150		$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	1.78	°C/W





isc Silicon PNP Darlington Power Transistor

BDX34A

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = -50mA; I _B = 0	-60			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -4A; I _B = -8mA			-2.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -4A ; V _{CE} = -3V			-2.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -60V; I _E = 0			-0.2	mA
I _{CEO}	Collector Cutoff Current	V _{CE} = -30V; I _B = 0			-0.5	mA
ІЕВО	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	mA
h _{FE}	DC Current Gain	I _C = -4A; V _{CE} = -3V	750			

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