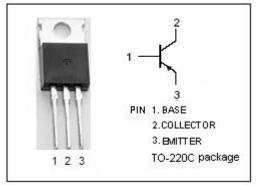


isc Silicon PNP Power Transistors

TIP32A

DESCRIPTION

- DC Current Gain $-h_{FE}$ = 25(Min)@ I_C= -1.0A
- Collector-Emitter Sustaining Voltage-: V_{CEO(SUS)} = -60V(Min)
- Complement to Type TIP31A
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

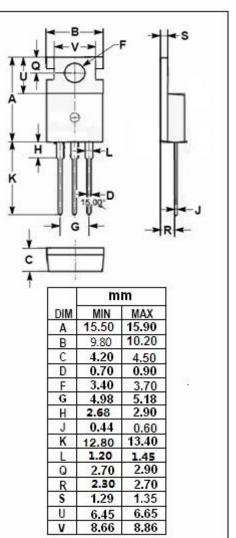


APPLICATIONS

• Designed for use in general purpose amplifier and switching applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-base Voltage	-60	V	
V_{CEO}	Collector-emitter Voltage	-60	V	
VEBO	Emitter-base Voltage	-5	V	
lc	Collector Current-Continuous	-3	А	
I _{CM}	Collector Current-Pulse	-5	A	
IB	Base Current	-1	А	
Pc	Collector Power Dissipation Tc=25°C	40	W	
	Collector Power Dissipation $T_a=25^{\circ}C$	2		
Tj	Junction Temperature	150	°C	
T _{stg}	Storage Ttemperature Range	-65~150	°C	



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isc Silicon PNP Power Transistors

TIP32A

ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = -30mA; I _B = 0	-60		V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -3A; I _B = -0.375A		-1.2	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -3A ; V _{CE} = -4V		-1.8	V
I _{CES}	Collector Cutoff Current	V _{CE} = -60V; V _{EB} = 0		-0.2	mA
I _{CEO}	Collector Cutoff Current	V _{CE} = -30V; I _B = 0		-0.3	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0		-1.0	mA
h _{FE-1}	DC Current Gain	I _C = -1A ; V _{CE} = -4V	25		
h _{FE-2}	DC Current Gain	Ic= -3A ; Vc== -4V	10	50	
f⊤	Current-Gain—Bandwidth Product	I _C = -0.5A ; V _{CE} = -10V	3		MHz

NOTICE:

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