

INCHANGE SEMICONDUCTOR

isc Silicon PNP Power Transistors

TIP36C*2

DESCRIPTION

- High Current Capability
- Collector-Emitter Sustaining Voltage-: V_{CEO(SUS)}= -100V(Min)
- Good Linearity of h_{FE}
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

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

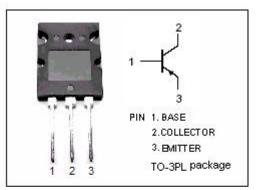
ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

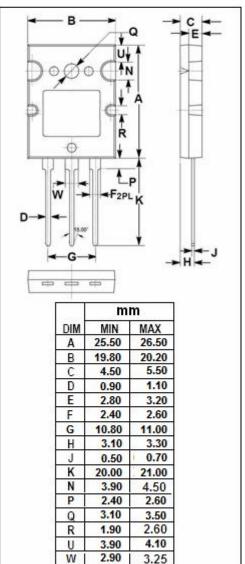
SYMBOL	PARAMETER	VALUE	UNIT				
V _{CBO}	Collector-Base Voltage	-100	V				
V _{CEO}	Collector-Emitter Voltage	-100	V				
V _{EBO}	Emitter-Base Voltage	-5	V				
Ic	Collector Current-Continuous	-40	А				
Ісм	Collector Current-peak	-50	А				
I _B	Base Current	-5	А				
Pc	Collector Power Dissipation@Tc=25°C	200	W				
Tj	Junction Temperature	150	°C				
T _{stg}	Storage Temperature Range	-65~150	°C				

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	1.0	°C/W

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ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = -30mA ;I _B = 0	-100		V
V _{CE(sat)-1}	Collector-Emitter Saturation Voltage	I _C = -15A ;I _B = -1.5A		-1.0	V
V _{CE(sat)-2}	Collector-Emitter Saturation Voltage	I _C = -25A; I _B = -5A		-2.0	v
VBE(on)-1	Base-Emitter On Voltage	I _C = -15A ; V _{CE} = -4V		-1.5	V
V _{BE(on)-2}	Base-Emitter On Voltage	I _C = -25A ; V _{CE} = -4V		-2.0	V
Iceo	Collector Cutoff Current	V _{CE} = -100V; I _B = 0		-0.1	mA
I _{CBO}	Collector Cutoff Current	V _{CB} = -100V; I _E = 0		-0.1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0		-0.1	mA
h _{FE-1}	DC Current Gain	Ic= -1.5A ; Vce= -4V	60	200	
h _{FE-2}	DC Current Gain	I _C = -15A ; V _{CE} = -4V	30		
h _{FE-3}	DC Current Gain	I _C = -25A ; V _{CE} = -4V	15		
f⊤	Current-Gain—Bandwidth Product	I _C = -0.5A ; V _{CE} = -10V;f _{test} = 1.0MHz	10		MHz

NOTICE:

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