

isc Silicon PNP Power Transistor

TIP36AF

DESCRIPTION

- DC Current Gain-
- : h_{FE}= 25(Min)@I_C = -1.5A
- · Collector-Emitter Sustaining Voltage-
 - : V_{CEO(SUS)}= -60V(Min)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

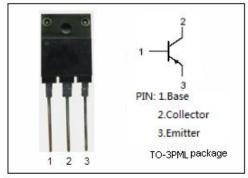
• Designed for use in general purpose power amplifier and switching applications.

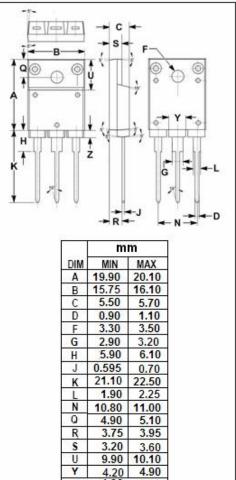
ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-60	V
Vceo	Collector-Emitter Voltage	-60	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current-Continuous	-25	А
Ісм	Collector Current-peak	-40	А
I _B	Base Current	-5	Α
Pc	Collector Power Dissipation@T _C =25℃	50	W
Tj	Junction Temperature	150	
T _{stg}	Storage Temperature Range	-65~150	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	2.5	°C/W







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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = -30mA ;I _B = 0	-60		V
VCE(sat)-1	Collector-Emitter Saturation Voltage	I _C = -15A ;I _B = -1.5A		-1.8	V
VCE(sat)-2	Collector-Emitter Saturation Voltage	I _C = -25A; I _B = -5A		-4.0	V
VBE(on)-1	Base-Emitter On Voltage	I _C = -15A; V _{CE} = -4V		-2.0	V
V _{BE(on)-2}	Base-Emitter On Voltage	I _C = -25A; V _{CE} = -4V		-4.0	V
I _{CEO}	Collector Cutoff Current	V _{CE} = -30V; I _B = 0		-1.0	mA
I _{CBO}	Collector Cutoff Current	V _{CB} = -60V; I _E = 0		-0.7	mA
І _{ЕВО}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0		-1.0	mA
h _{FE-1}	DC Current Gain	I _C = -1.5A; V _{CE} = -4V	25		
h _{FE-2}	DC Current Gain	I _C = -15A ; V _{CE} = -4V	15		

NOTICE:

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