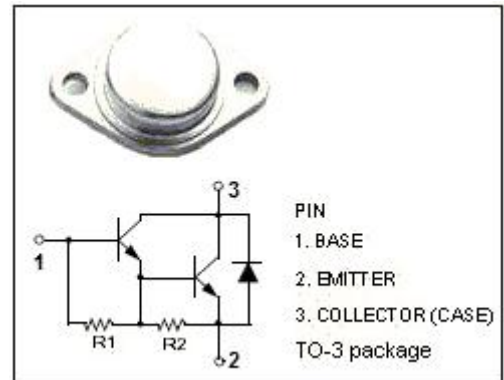


DESCRIPTION

- Built-in Base-Emitter Shunt Resistors
- High DC current gain-
 $h_{FE} = 750$ (Min) @ $I_c = 10$ Adc
- Collector-Emitter Sustaining Voltage-
 $V_{CEO(SUS)} = 100V$ (Min)
- Complement to type 2N6287

APPLICATIONS

- Intended for general purpose amplifier and low frequency switching applications, such as linear and switching industrial equipment.

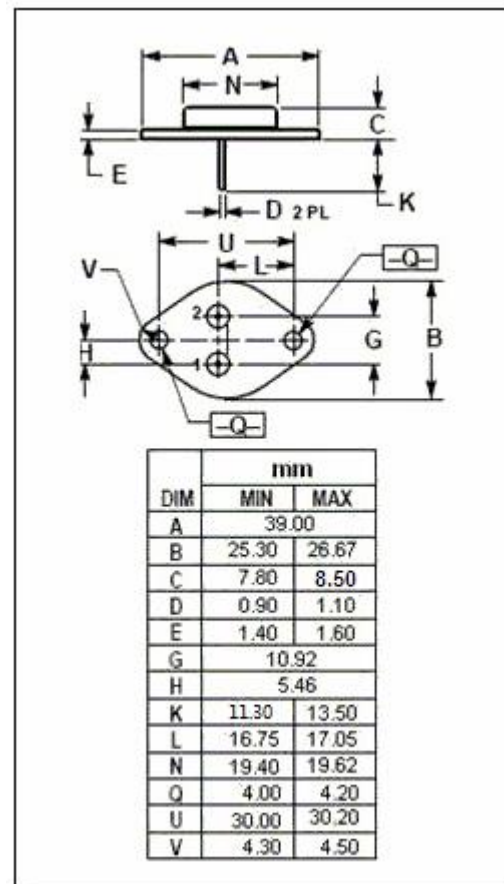


ABSOLUTE MAXIMUM RATINGS(T_c=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	100	V
V _{CEO}	Collector-Emitter Voltage	100	V
V _{EBO}	Emitter-Base Voltage	5.0	V
I _c	Collector Current -Continuous	20	A
I _{cP}	Collector Current-Peak	40	A
I _B	Base Current	0.5	A
P _c	Collector Power Dissipation@T _c =25°C	160	W
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-65~150	°C

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	ThermalResistance, Junction to Case	1.09	°C/W



ELECTRICAL CHARACTERISTICS

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

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CE0(SUS)}$	Collector-Emitter Sustaining Voltage	$I_C= 50\text{mA}$; $I_B= 0$	100		V
$V_{CE(sat)-1}$	Collector-Emitter Saturation Voltage	$I_C= 10\text{A}$; $I_B= 40\text{mA}$		2.0	V
$V_{CE(sat)-2}$	Collector-Emitter Saturation Voltage	$I_C= 20\text{A}$; $I_B= 200\text{mA}$		3.0	V
$V_{BE(sat)}$	Base-Emitter Saturation voltage	$I_C= 20\text{A}$; $I_B= 200\text{mA}$		4.0	V
$V_{BE(on)}$	Base-Emitter On voltage	$I_C= 10\text{A}$; $V_{CE}= 3\text{V}$		2.8	V
I_{CEO}	Collector Cutoff current	$V_{CE}= 50\text{V}$; $I_B=0$		1.0	mA
I_{CEX}	Collector Cutoff current	$V_{CE}= 100\text{V}$; $V_{BE(off)}= 1.5\text{V}$ $V_{CE}= 100\text{V}$; $V_{BE(off)}= 1.5\text{V}$, $T_C=150^{\circ}\text{C}$		0.5 5.0	mA
I_{EBO}	Emitter Cut-off current	$V_{EB}= 5\text{V}$; $I_C= 0$		2.0	mA
h_{FE-1}	DC Current Gain	$I_C= 10\text{A}$; $V_{CE}= 3\text{V}$	750	18000	
h_{FE-2}	DC Current Gain	$I_C= 20\text{A}$; $V_{CE}= 3\text{V}$	100		
C_{OB}	Output Capacitance	$I_E=0$; $V_{CB}= 10\text{V}$; $f_{test}= 1.0\text{MHz}$		400	pF

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Darlington Transistors](#) category:

Click to view products by [SPTECH](#) manufacturer:

Other Similar products are found below :

[281287X](#) [BDV64B](#) [SBSP52T1G](#) [LB1205-L-E](#) [2N6053](#) [MPSA63](#) [2N6667](#) [NTE256](#) [TIP120](#) [MJ11028](#) [TIP140](#) [TIP127L-BP](#) [2N6383](#)
[ULN2803](#) [ULN2803](#) [2N6036](#) [2N6039](#) [2SB1560](#) [2SB852KT146B](#) [2SD2560](#) [TIP112TU](#) [BCV27](#) [MMBTA13-TP](#) [MMBTA14-TP](#)
[MMSTA28T146](#) [NTE2557](#) [NJVNJD35N04T4G](#) [CP527-2N6299-CT5](#) [CP127-2N6301-CT5](#) [MPSA29-D26Z](#) [FJB102TM](#) [FMMT38C](#) [BCV29](#)
[BCV47](#) [FMMT734](#) [BCV46E6327HTSA1](#) [BSP61H6327XTSA1](#) [BU941ZPFI](#) [FZT600](#) [FZT605](#) [FZT705](#) [2SB1316TL](#) [NTE2350](#) [NTE245](#)
[NTE2649](#) [NTE46](#) [NTE98](#) [ULN2003ADR2G](#) [NTE2344](#) [NTE2349](#)