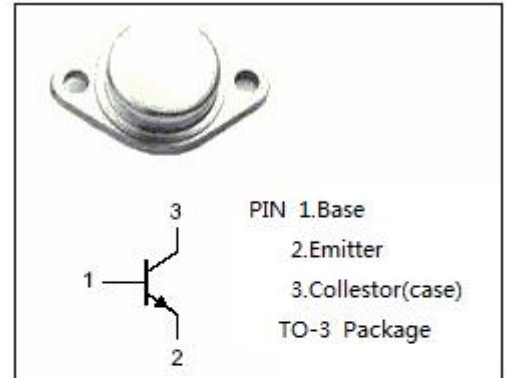# 2N3055T3BL

Silicon NPN Power Transistor

DESCRIPTION

- Excellent Safe Operating Area
- DC Current Gain-h_{FE}=20-70@I_C = 4A
- Collector-Emitter Saturation Voltage-
  : $V_{CE(sat)}$= 1.1 V(Max)@ I_C = 4A
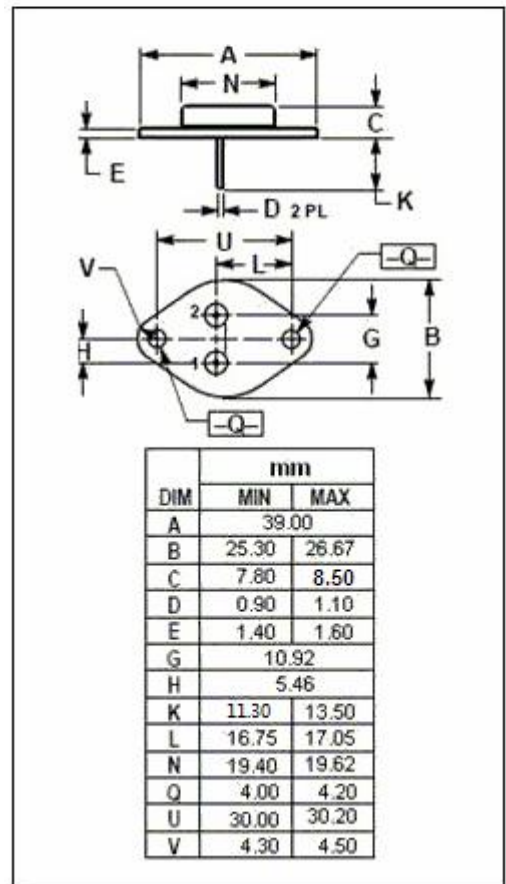- Complement to Type MJ2955

APPLICATIONS

- Designed for general-purpose switching and amplifier applications

PIN 1.Base
2.Emitter
3.Collestor(case)
TO-3 Package

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	100	V
V_{CER}	Collector-Emitter Voltage	70	V
V_{CEO}	Collector-Emitter Voltage	60	V
V_{EBO}	Emitter-Base Voltage	7	V
I_C	Collector Current-Continuous	15	A
I_B	Base Current	7	A
P_C	Collector Power Dissipation@T_C=25℃	115	W
T_J, T_{stg}	Operating and Storage Junction Temperature Range	-65~+150	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance,Junction to Case	1.52	℃/W

DIM	mm MIN	MAX
A	39.00	
B	25.30	26.67
C	7.80	8.50
D	0.90	1.10
E	1.40	1.60
G	10.92	
H	5.46	
K	11.30	13.50
L	16.75	17.05
N	19.40	19.62
Q	4.00	4.20
U	30.00	30.20
V	4.30	4.50

Ordering Information

Product	Package	Packaging
2 N3055T3BL	TO-3	Box

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
V$_{CE(sat)-1}$	Collector-Emitter Saturation Voltage	I$_C$= 4A; I$_B$= 0.4A		1.1	V
V$_{CE(sat)-2}$	Collector-Emitter Saturation Voltage	I$_C$= 10A; I$_B$= 3.3A		3.0	V
V$_{BE(on)}$	Base-Emitter On Voltage	I$_C$= 4A ; V$_{CE}$= 4V		1.5	V
I$_{CEO}$	Collector Cutoff Current	V$_{CE}$= 30V; I$_B$=0		0.7	mA
I$_{EBO}$	Emitter Cutoff Current	V$_{EB}$= 7.0V; I$_C$=0		5.0	mA
h$_{FE-1}$	DC Current Gain	I$_C$= 4A ; V$_{CE}$= 4V	20	70	
h$_{FE-2}$	DC Current Gain	I$_C$= 10A ; V$_{CE}$= 4V	5.0		
I$_{s/b}$	Second Breakdown Collector Current with Base Forward Biased	V$_{CE}$= 40V,t= 1.0s,Nonrepetitive	2.87		A
f$_T$	Current Gain-Bandwidth Product	I$_C$= 0.5A ; V$_{CE}$= 10V;f=1.0MHz	2.5		MHz

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bipolar Transistors - BJT *category:*

Click to view products by SPS *manufacturer:*

Other Similar products are found below :

619691C MCH4017-TL-H MJ15024/WS MJ15025/WS BC546/116 BC556/FSC BC557/116 BSW67A HN7G01FU-A(T5L,F,T
NJVMJD148T4G NSVMMBT6520LT1G NTE187A NTE195A NTE2302 NTE2330 NTE2353 NTE316 IMX9T110 NTE63 NTE65
C4460 SBC846BLT3G 2SA1419T-TD-H 2SA1721-O(TE85L,F) 2SA1727TLP 2SA2126-E 2SB1202T-TL-E 2SB1204S-TL-E 2SC5488A-
TL-H 2SD2150T100R SP000011176 FMC5AT148 2N2369ADCSM 2SB1202S-TL-E 2SC2412KT146S 2SC4618TLN 2SC5490A-TL-H
2SD1816S-TL-E 2SD1816T-TL-E CMXT2207 TR CPH6501-TL-E MCH4021-TL-E BC557B TTC012(Q) BULD128DT4 JANTX2N3810
Jantx2N5416 US6T6TR KSF350 068071B