



NPN Transistor

Features

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- NPN

Mechanical Data

- Package:** SOT-23-3L
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking:**

Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
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	$I_{c, max}$	mW		50
Operation Junction Temperature	T_j			150
Storage Temperature	T_{stg}			-55 to +150

Electrical Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
Collector-base cut-off current	I_{cbo}	μA	$V_{CB} = 1.5V, I_E = 10\mu A$	0.5
Emitter-base cut-off current	I_{ebo}	μA	$V_{EB} = 1.5V, I_C = 10\mu A$	0.5
DC current gain	h_{FE1}	%	$V_{CE} = 1.5V, I_C = 10mA$	50
	h_{FE2}	%	$V_{CE} = 1.5V, I_C = 100mA$	50
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C = 100mA, I_B = 10mA$	0.3
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C = 100mA, I_B = 10mA$	0.7
Transition frequency	f_T	MHz	$V_{CE} = 1.5V, I_C = 10mA$	100
Collector-base output capacitance	C_{ob}	pF		5

v627 / 3DFNDJH 2XWOLQH 'LPHQVLRQV

v627 / 6ROGHULQJ)RRWSULQW



Disclaimer

The information presented in this