



- Epoxy meets UL-94 V-0 flammability rating
- Surface mount package ideally Suited for Automatic Insertion
- NPN+Zener

- SOT-23-6L
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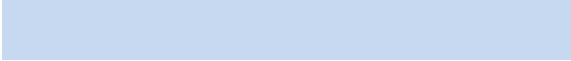
(Ta=25 Unless otherwise specified)

Collector-Base Voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	60
Collector-Emitter Voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	40
Emitter-Base Voltage	V_{EBO}	V	$I_E=100\mu A, I_C=0$	6
Collector Current -Continuous	I_C	mA		600

(Ta=25 unless otherwise specified)

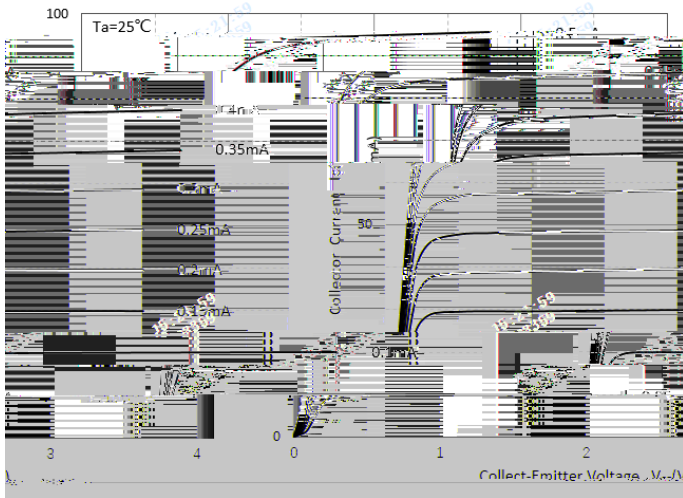
Collector-base breakdown voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	60		
Collector-emitter breakdown voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	40		
Emitter-base breakdown voltage	V_{EBO}	V	$I_E=100\mu A, I_C=0$	6		
Base cut-off Current	I_{BL}	nA	$V_{CE}=35V, V_{EB(off)}=0.4V$			100
Collector cut-off current	I_{CEX}	nA	$V_{CE}=35V, V_{EB(off)}=0.4V$			100
DC current gain	h_{FE}		$V_{CE}=1V, I_C=0.1mA$	20		
	h_{FE}		$V_{CE}=1V, I_C=1mA$	40		
	h_{FE}		$V_{CE}=1V, I_C=10mA$	80		
	h_{FE}		$V_{CE}=1V, I_C=150mA$	100		300
	h_{FE}		$V_{CE}=1V, I_C=500mA$	40		
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C=150mA, I_B=15mA$			0.4
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C=500mA, I_B=50mA$			0.75
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C=150mA, I_B=15mA$			0.95
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C=500mA, I_B=50mA$			1.2
Transition frequency	f_T	MHz	$V_{CE}=10V, I_C=20mA, f=100MHz$	250		
Delay time	t_d	ns	$V_{CC}=30V, I_C=150mA,$ $I_{B1}=15mA, V_{BE(off)}=2V$			15
Rise time	t_r	ns				20
Storage time	t_s	ns	$V_{CC}=30V, I_C=150mA,$ $I_{B1}=-I_{B2}=15mA$			225 B2B2



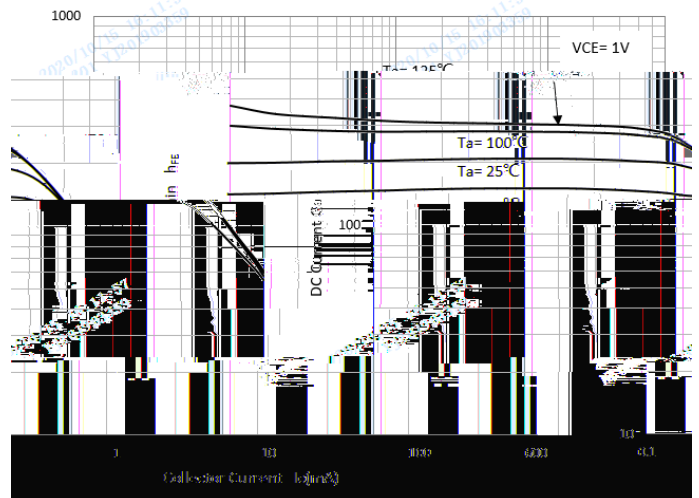
■ (Ta=25 Unless otherwise specified


(Typical)

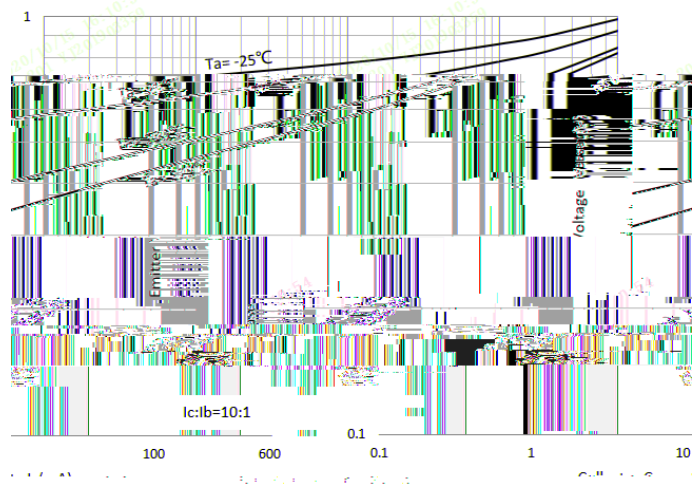
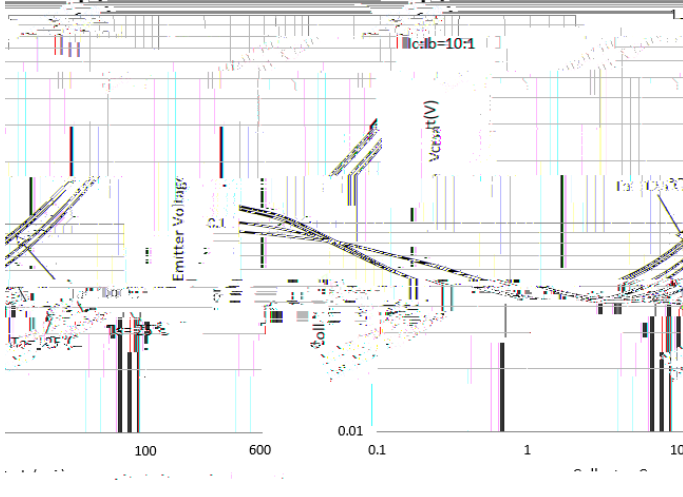
Static Characteristic



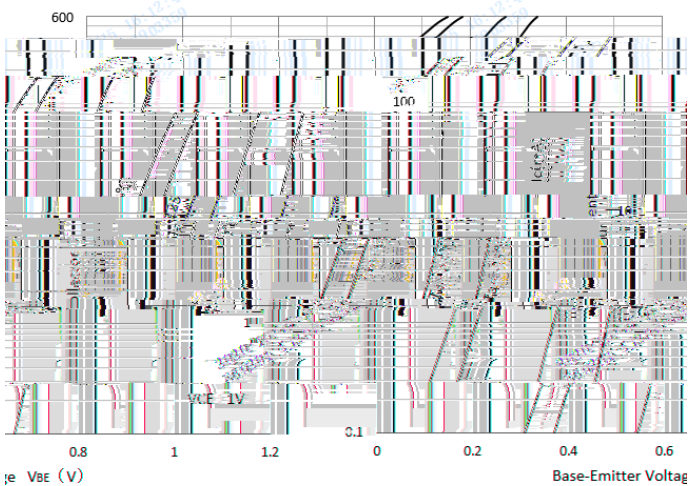
DC Current Gain



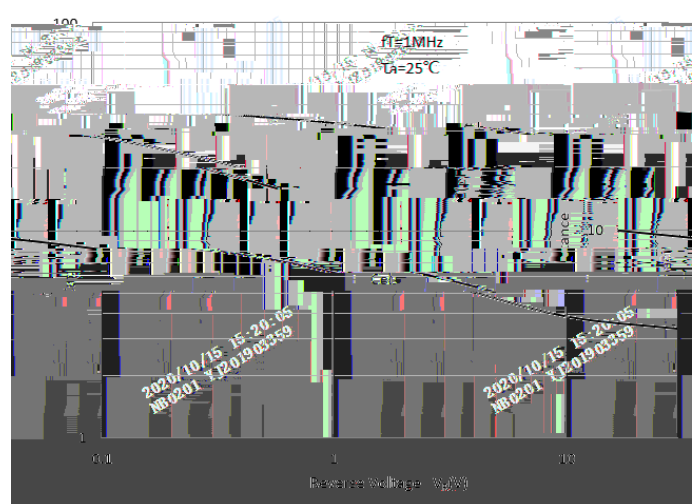
Collector-Emitter Saturation Voltage



Base-Emitter On Voltage



$C_{ob}/C_{ib}-V_{CE}/V_{EB}$







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