

Moisture sensitivity level 1
 Halogen free and RoHS compliant
 Surface mount package ideally suited for automatic Insertion

Signal amplification
 Switching circuit

SOT-23-6L

Tin plated leads, solderable per J-STD-002 and JESD22-B102

($T_a=25$ Unless otherwise specified)

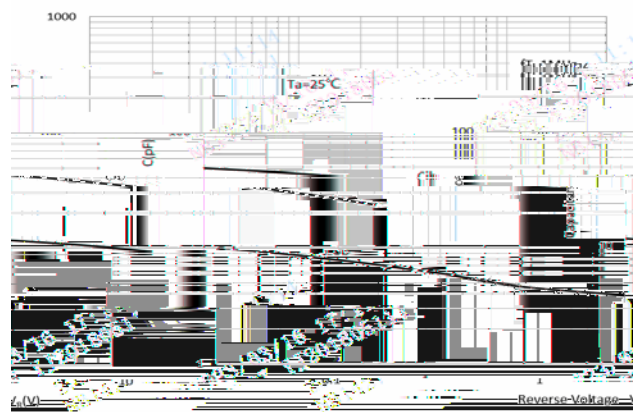
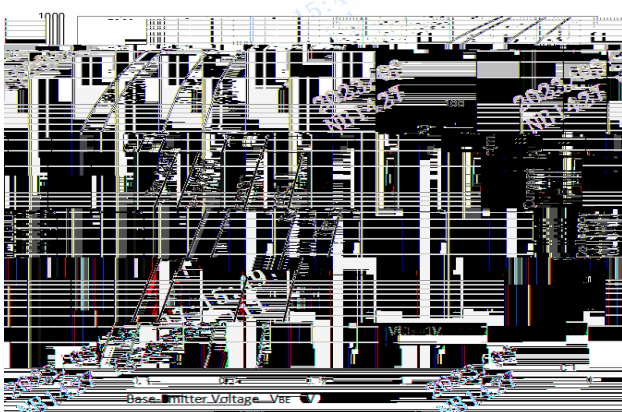
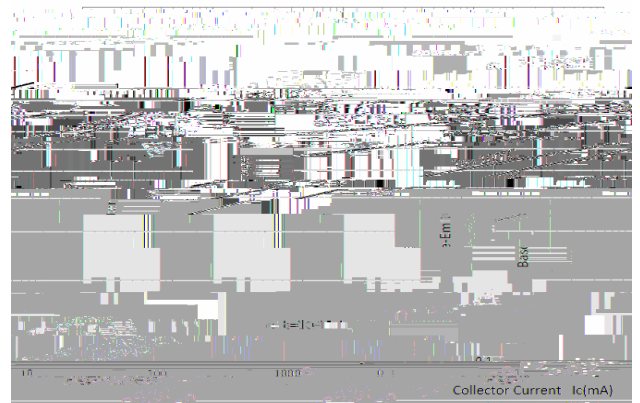
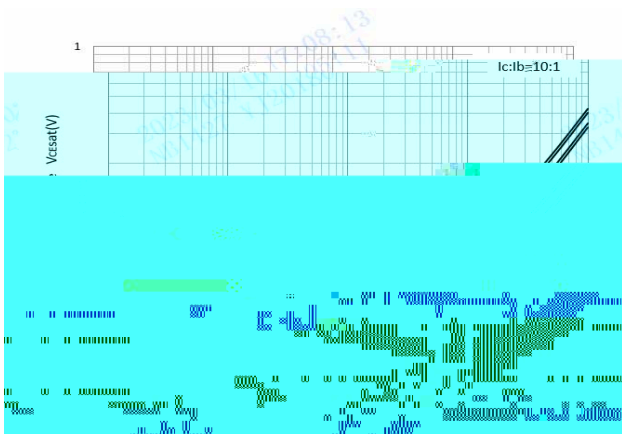
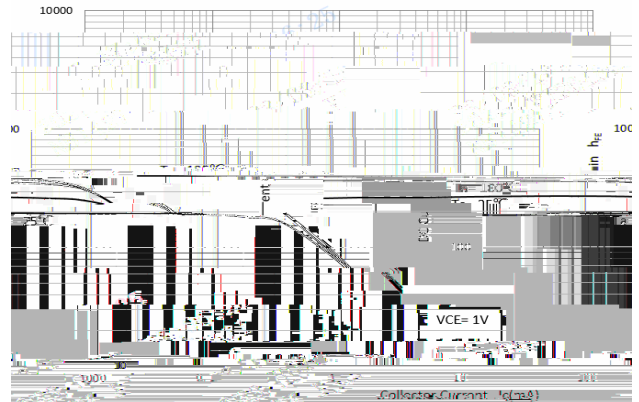
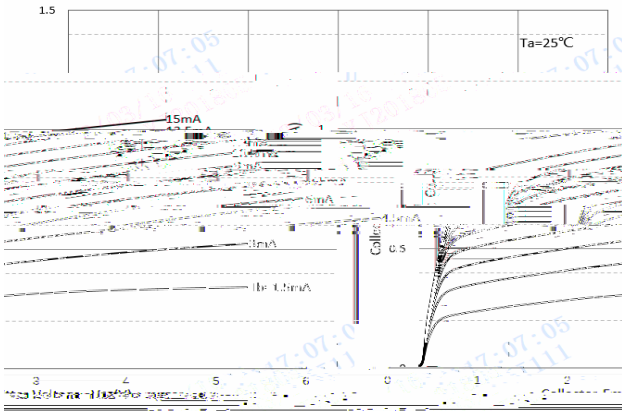
Device marking code				N3
Collector-base voltage	V_{CBO}	V	$I_C=50\mu A, I_E=0$	50
Collector-emitter voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	45
Emitter-base voltage	V_{EBO}	V	$I_E=50\mu A, I_C=0$	5
Collector current	I_C	mA		500
Power dissipation	P_D	mW		300
Operation junction temperature	T_j			-55 to +150
Storage temperature	T_{STG}			-55 to +150



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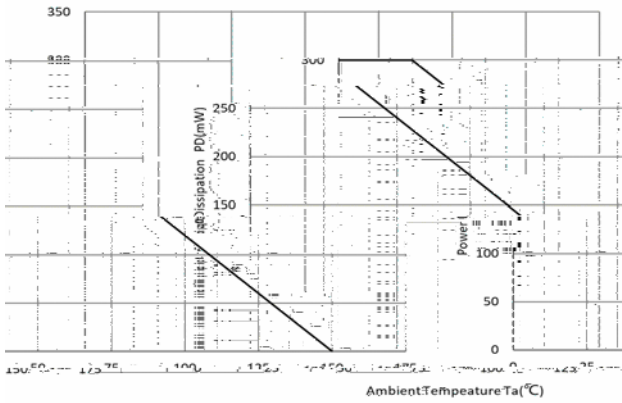
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	$I_C=50\mu A, I_E=0$ = 7 7 5	50		
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	V	$I_C=1mA, I_B=0$	45		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	$I_E=50\mu A, I_C=0$ = 7 7 5	5		
Collector-base cut-off current	I_{CBO}	nA	$V_{CB}=20V, I_E=0$			100
Emitter-base cut-off current	I_{EBO}	nA	$V_{EB}=5V, I_C=0$			100
DC current gain	h_{FE1}		$I_C=1mA, V_{CE}=5V, I_B=10\mu A$			





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