

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)

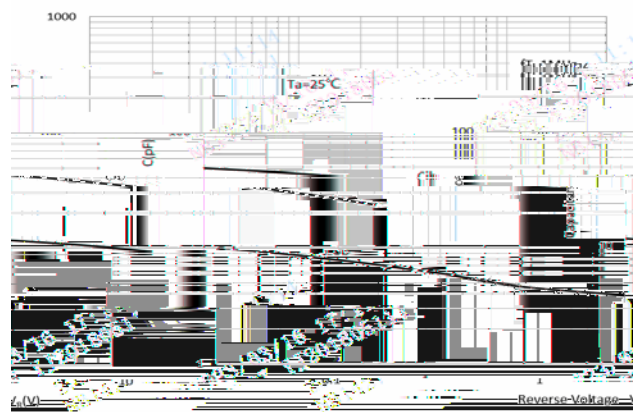
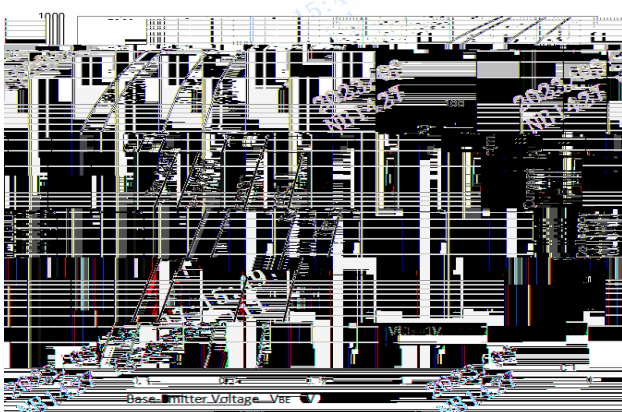
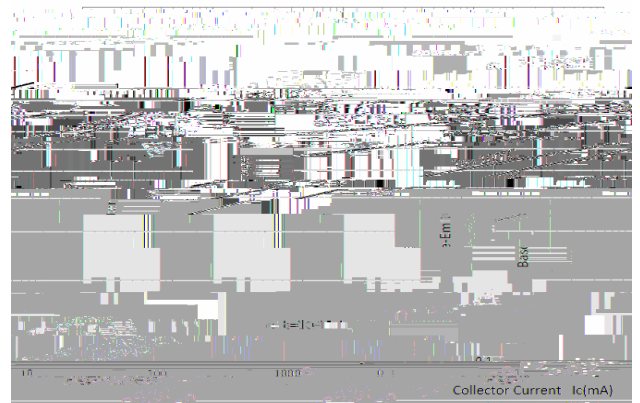
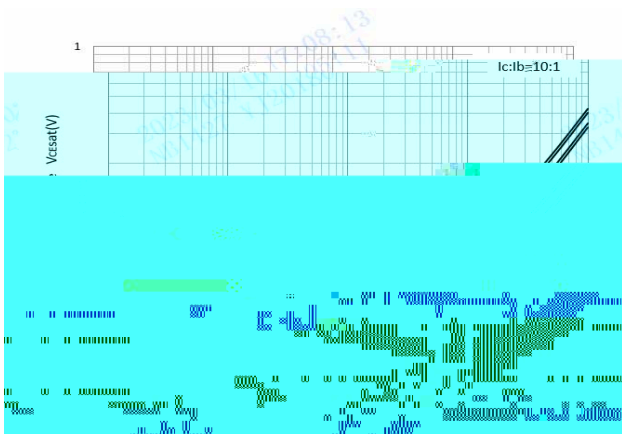
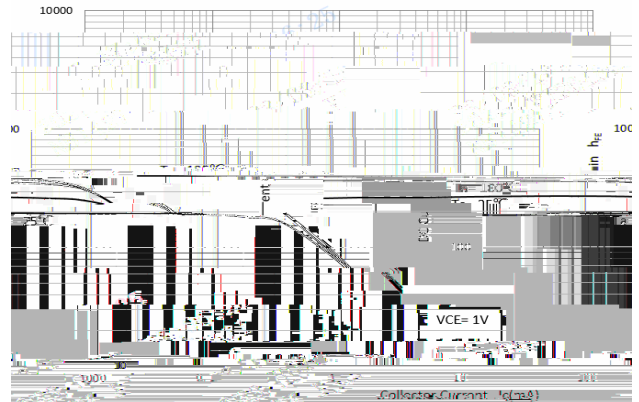
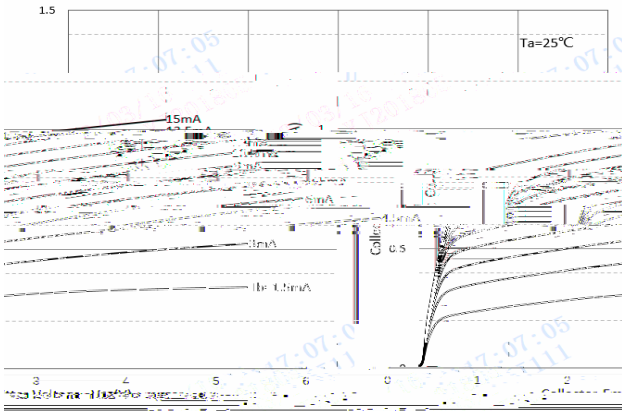
Device marking code				N3
Collector-base voltage	$V_{CBO}$	V	$I_C=50\mu A, I_E=0$	50
Collector-emitter voltage	$V_{CEO}$	V	$I_C=1mA, I_B=0$	45
Emitter-base voltage	$V_{EBO}$	V	$I_E=50\mu A, I_C=0$	5
Collector current	$I_C$	mA		500
Power dissipation	$P_D$	mW		300
Operation junction temperature	$T_j$	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

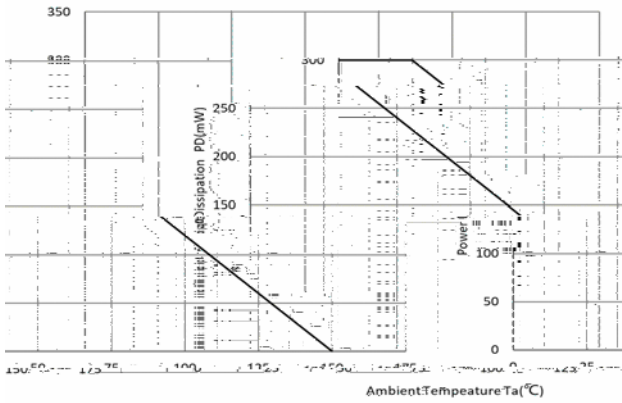


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Collector-base breakdown voltage	$V_{(BR)CBO}$	V	$I_C = 50 \mu A, I_E = 0$ = 7 7 5	50		
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	V	$I_C = 1 mA, I_B = 0$	45		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	$I_E = 50 \mu A, I_C = 0$ = 7 7 5	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	$h_{FE1}$		$I_C = 1 mA, I_B = 10 \mu A$			







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