



Moisture Sensitivity Level 1
Surface mount package ideally Suited for Automatic
Insertion
Epoxy meets UL-94 V-0 flammability rating, halogen-free

: SOT-523
: Tin plated leads, solderable per
J-STD-002 and JESD22-B102
1P

(Ta=25 Unless otherwise specified)

Collector-Emitter Voltage	V_{CEO}	V	$I_C=10\text{mAdc}, I_B=0$	40
Collector-Base Voltage	V_{CBO}	V	$I_C=10\text{uAdc}, I_E=0$	75
Emitter-Base Voltage	V_{EBO}	V	$I_E=10\text{uAdc}, I_C=0$	6

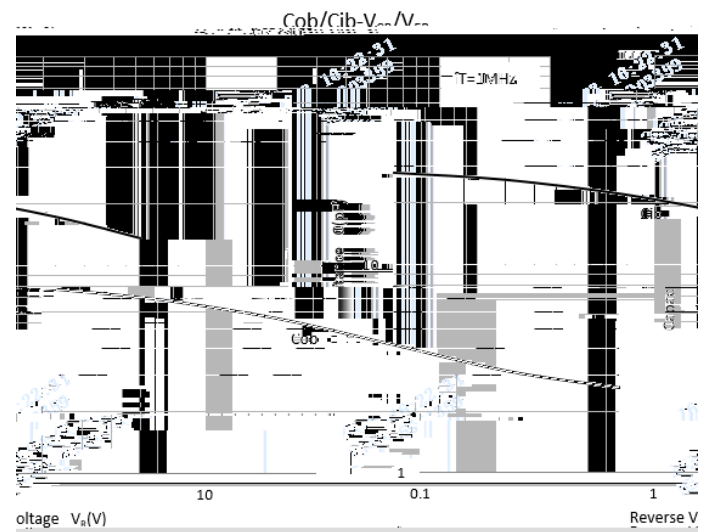
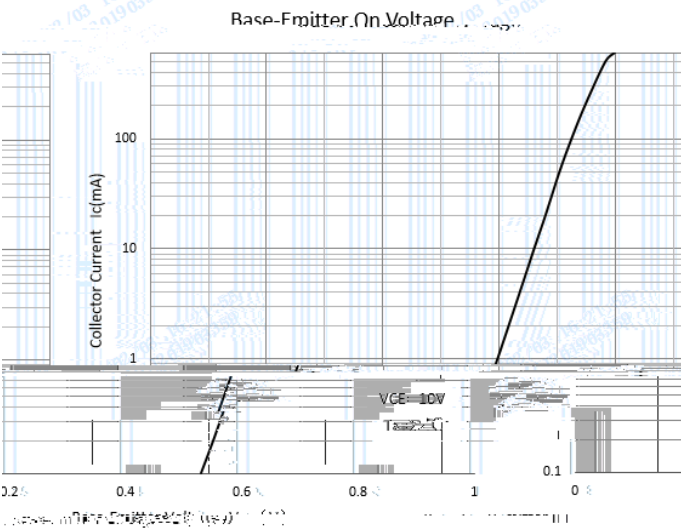
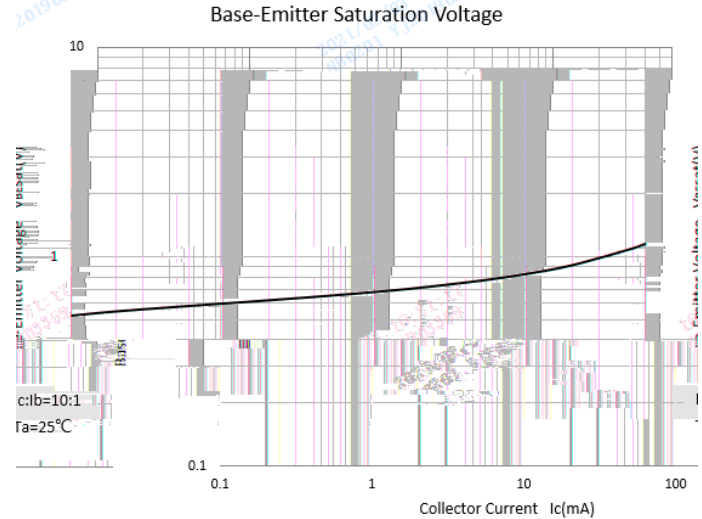
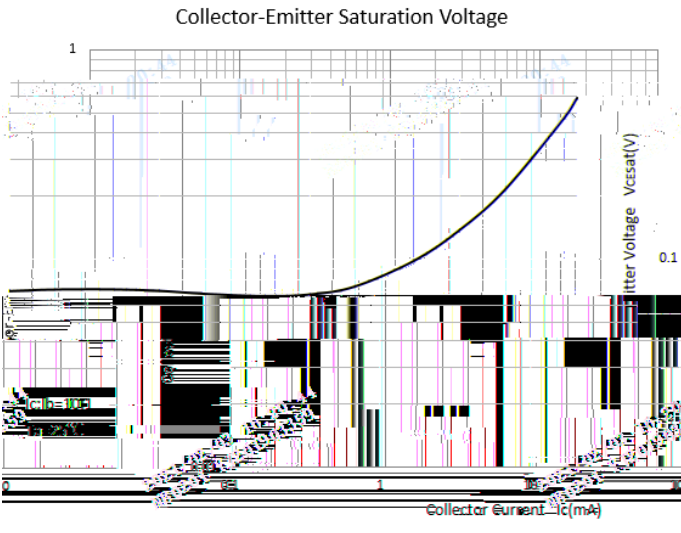
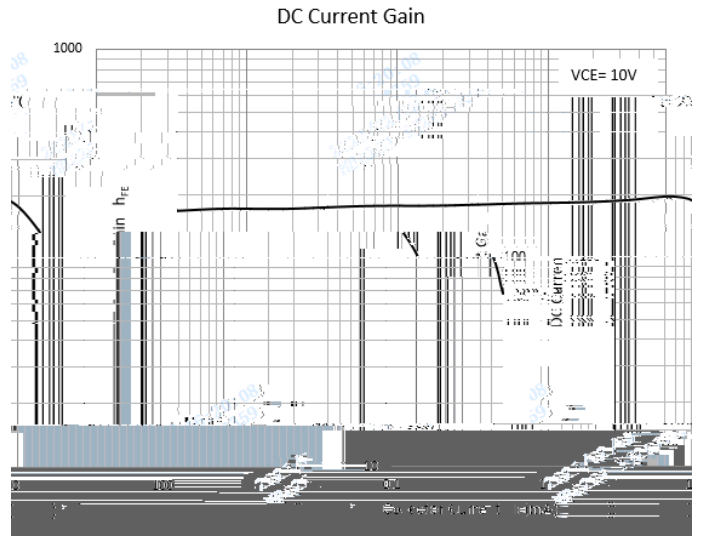
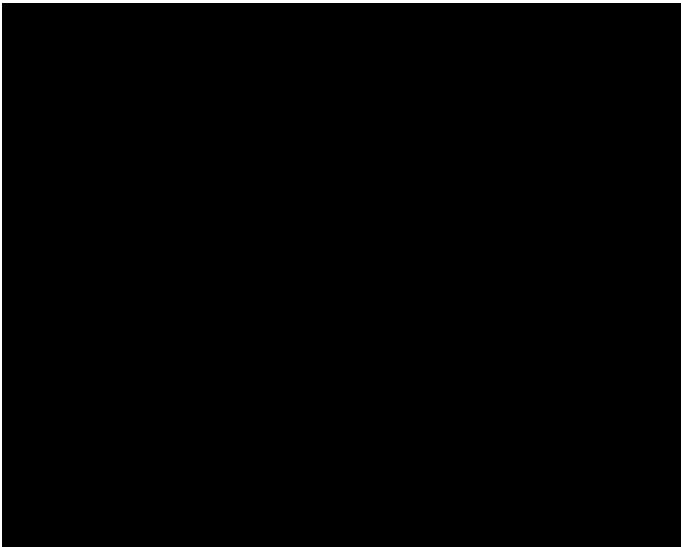


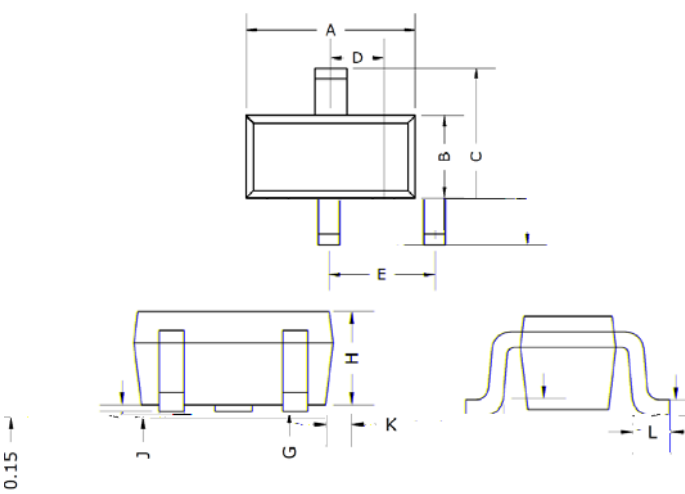
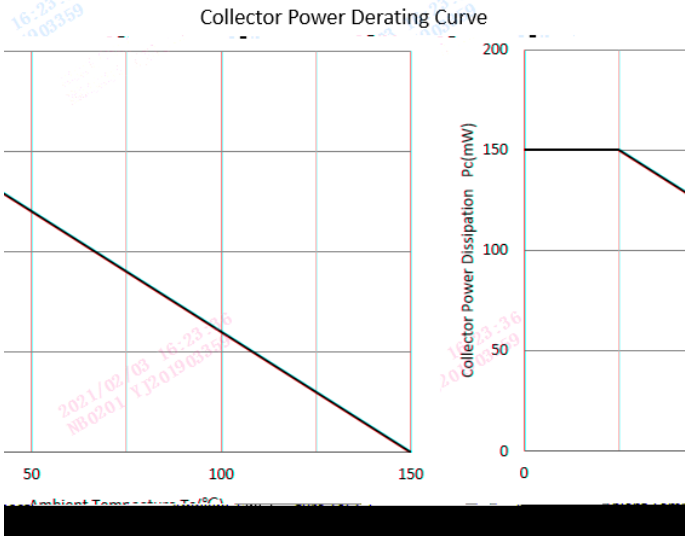
(Ta=25 unless otherwise specified)

Collector-Emitter Voltage	V_{CE0}	V	$I_C=10\text{mA dc}, I_B=0$	40	
Collector-Base Voltage	V_{CB0}	V	$I_C=10\mu\text{A dc}, I_E=0$	75	
Emitter-Base Voltage	V_{EB0}	V	$I_E=10\mu\text{A dc}, I_C=0$	6	
Collector-base Cut-off Current	I_{CBO}	nA	$V_{CB}=70\text{V dc}$		100
Emitter-base cut-off current	I_{EBO}	nA	$V_{EB}=3\text{V dc}$		100
Collector-emitter Cut-off Current	I_{CEX}	nA	$V_{CB}=70\text{V dc}, V_{EB}=3\text{V dc}$		10
			$I_C=0.1\text{mA dc}, V_{CE}=10\text{V dc}$	35	

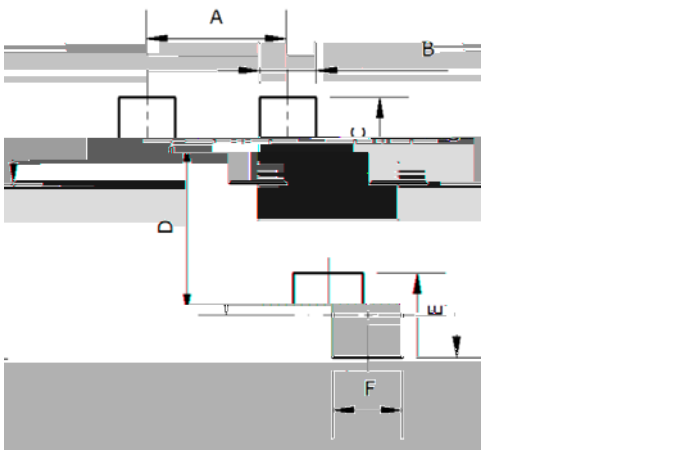


(Typical)





DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.50	1.70
B	0.030	0.033	0.75	0.85
C	0.057	0.062	1.45	1.57
D	0.007	0.009	0.18	0.23
E	0.50	0.53	12.7	13.5
H	0.10	0.11	2.54	2.79
J	0.012	0.015	0.30	0.38
G	0.010	0.015	0.25	0.38
K	0.010	0.015	0.25	0.38
L	0.010	0.015	0.25	0.38



DIMENSIONS	
DIM	MIN (TYP)
A	1.00
B	0.40
C	0.60
D	1.24
F	0.50



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