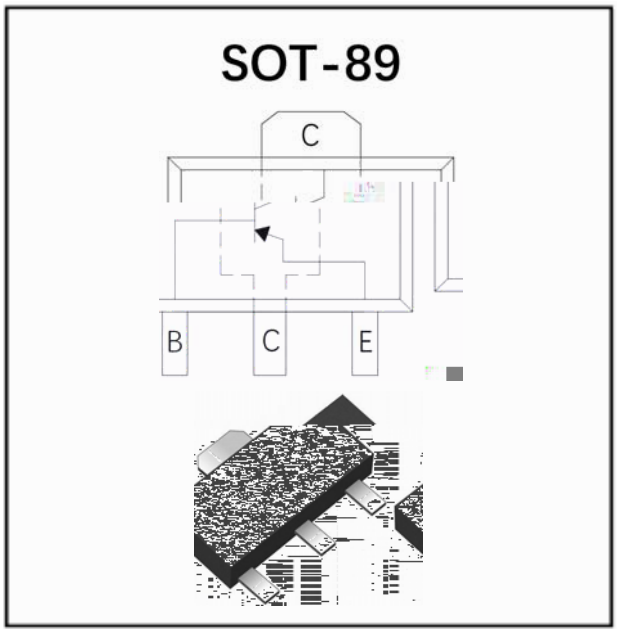
SOT-89
C
B
C
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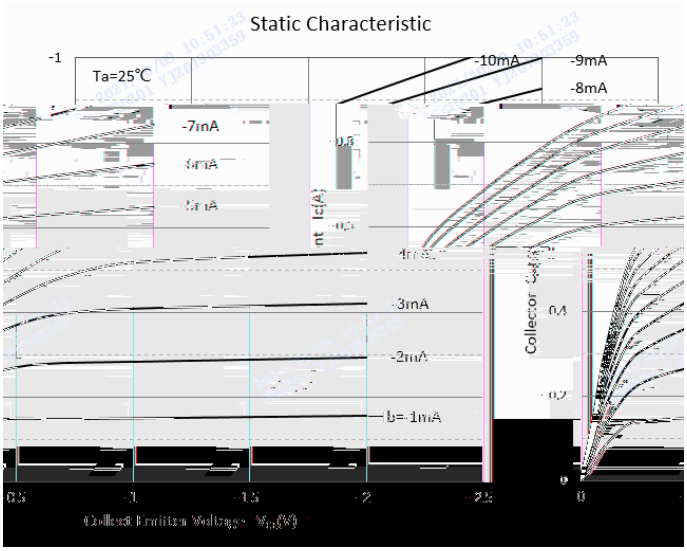
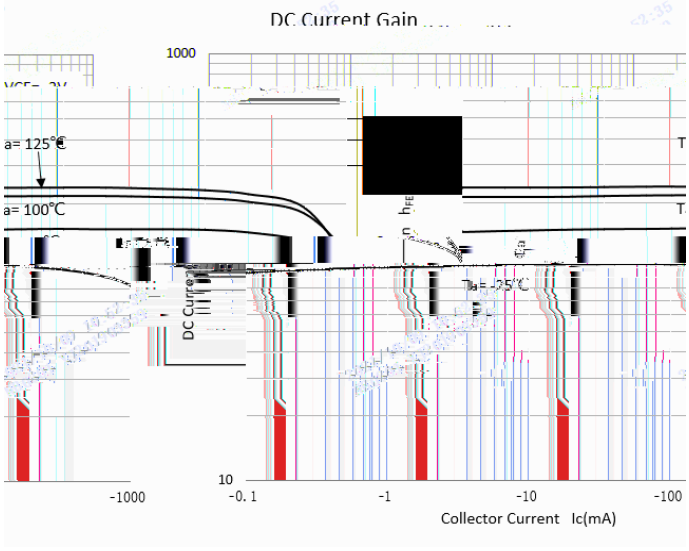
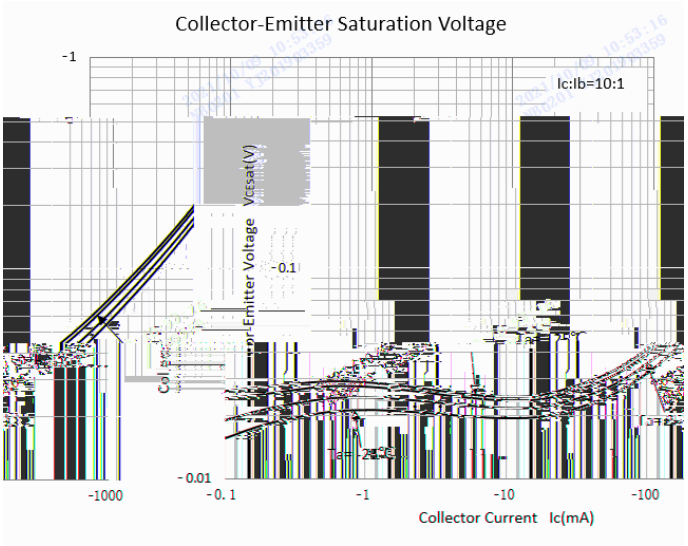
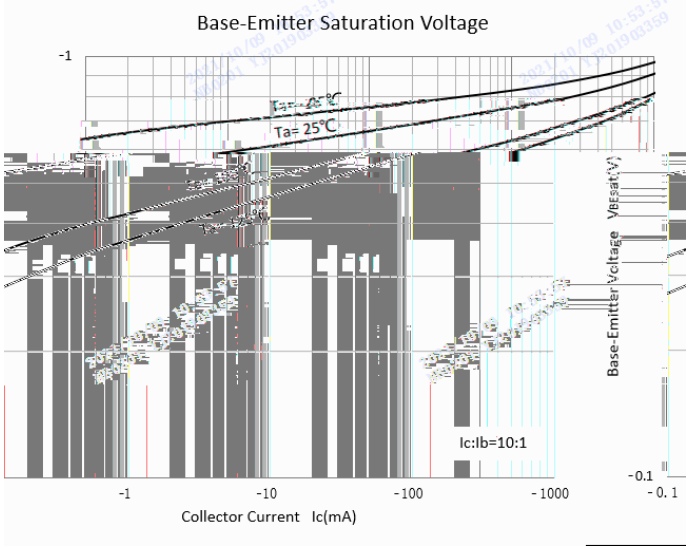
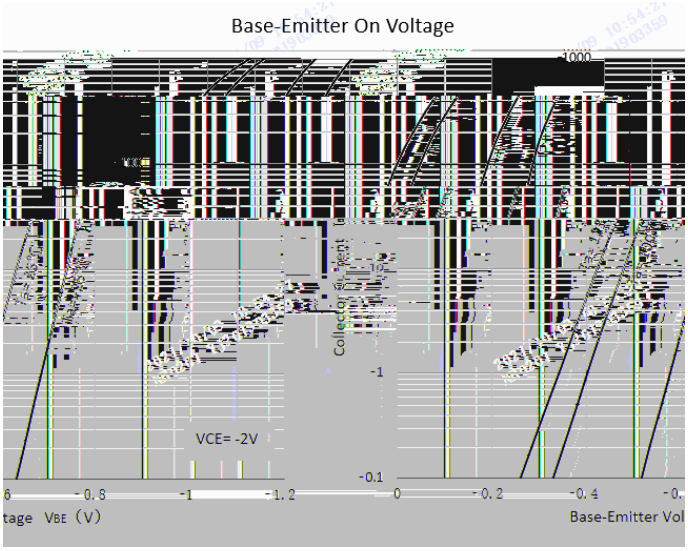
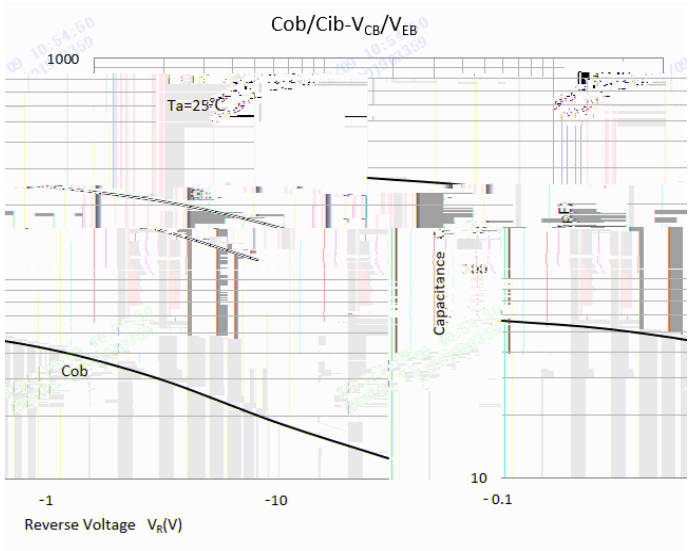

Static Characteristic
Ta=25℃
-10mA
-9mA
-8mA
-7mA
-3mA
-2mA
b=-1mA
Collector Current Ic(A)
Collector Current Ic(A)

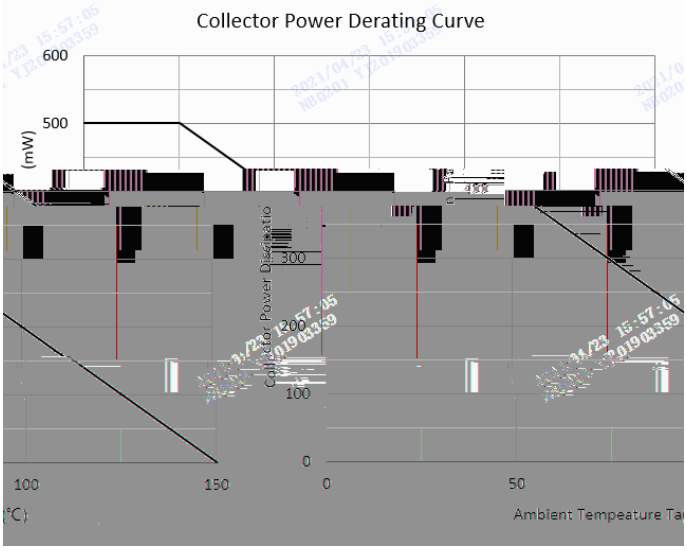

DC Current Gain
1000
a= 125℃
a= 100℃
10
-1000
-0.1
-1
-10
-100
Collector Current Ic(mA)

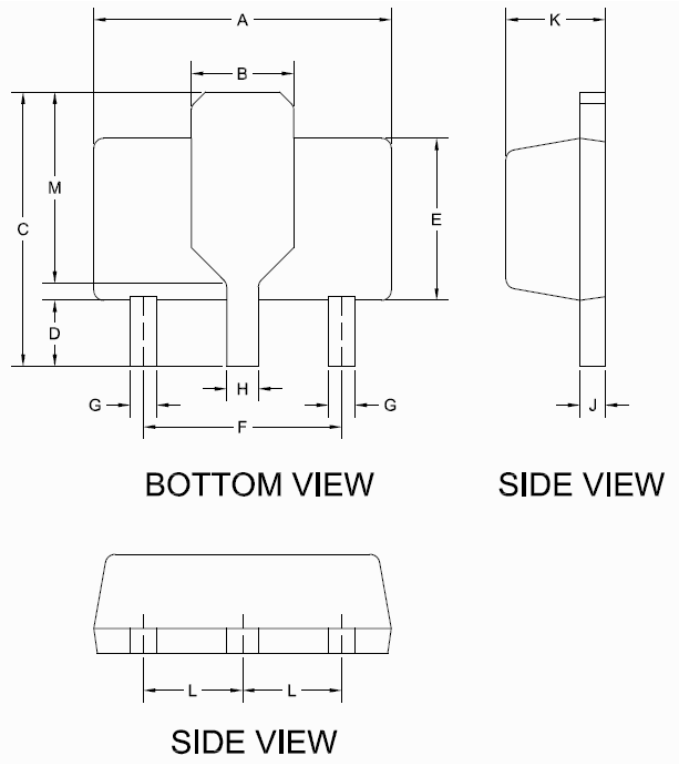

Collector-Emitter Saturation Voltage
Ic:Ib=10:1
Ta= 25°C
-1
-0.1
-0.01
-1000
-0.1
-1
-10
-100
Collector Current Ic(mA)

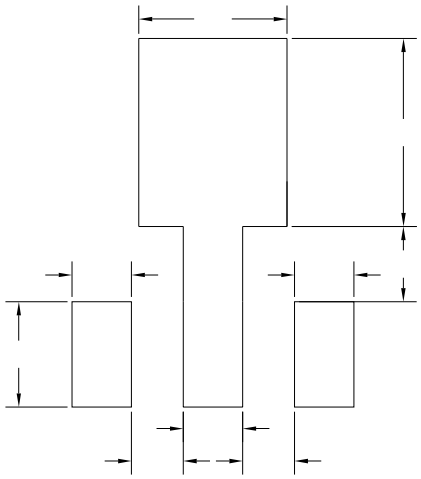

Base-Emitter Saturation Voltage
Ta= 25°C
Ic:Ib=10:1
Base-Emitter Voltage VBEsat(V)
-1
-10
-100
-1000
-0.1
-0.1
Collector Current Ic(mA)


Base-Emitter On Voltage
1000
VCE= -2V
-1
-0.1
-0.8
-1
-1.2
0
-0.2
-0.4
Base-Emitter Vol


Cob/Cib-VCB/VEB
1000
Ta=25°C
Capacitance
Cob
10
-1
-10
-0.1
Reverse Voltage VR(V)


Collector Power Derating Curve
600
500
(mW)
300
200
100
0
100
150
0
50
Ambient Tempeature Ta




| DIMENSIONS | | | | |
|---|---|---|---|---|
| DIM | INCHES | | MM | |
| | MIN. | MAX. | MIN. | MAX. |
| A | 0.173 | 0.181 | 4.400 | 4.600 |
| B | 0.061 TYP. | | 1.550 TYP. | |
| C | 0.155 | 0.167 | 3.940 | 4.250 |
| D | 0.031 | 0.047 | 0.800 | 1.200 |
| E | 0.094 | 0.102 | 2.400 | 2.600 |
| F | 0.118 TYP. | | 3.00 TYP. | |
| G | 0.014 | 0.019 | 0.360 | 0.480 |
| [illegible] | 0.560 | H | 0.017 | 0.022 [illegible] 0.440 |
| [illegible] | 0.440 | J | 0.014 | 0.017 [illegible] 0.350 |
| [illegible] | 1.600 | K | 0.055 | 0.063 [illegible] 1.400 |
| 1.500 TYP. | | [illegible] | 0.059 TYP. | |
| 2.750 TYP. | | M | 0.108 TYP. | |