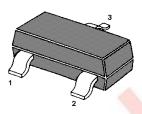
Features

- For Switching and Amplifier Applications.
- Silicon Epitaxial Chip





1 Base 2. Emitter 3. Collector

Absolute Maximum Ratings (TA=25 ^oC, unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector Base Voltage	Vсво	180	V
Collector Emitter Voltage	V _{CEO}	160	V
Emitter Base Voltage	VEBO	6	V
Collector Current	lc	600	mA
Power Dissipation	PD	350	mW
Junction Temperature	TJ	150	°C
Storage Temperature Range	T _{STG}	-55 to 150 °C	

Electrical Characteristics(T_A=25 °C, unless otherwise noted)

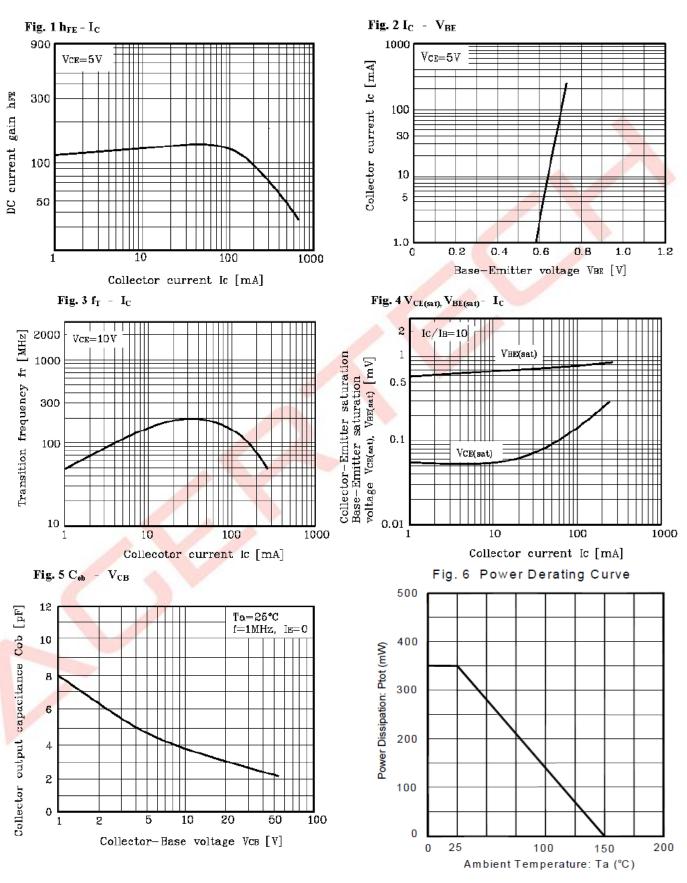
Parameter	Symbol	Min.	Max.	Unit
DC Current Gain at $V_{CE} = 5 V$, $I_C = 1mA$ at $V_{CE} = 5V$, $I_C = 10 mA$ at $V_{CE}=5V$, $I_C=50mA$	H _{FE}	80 80 30	- 250 -	
Collector Base Cutoff Current at VcB = 120 V	Ісво	-	50	nA
Emitter Base Cutoff Current at VEB=4V	Іево	-	50	nA
Collector Base Breakdown Voltage at Ic = 100 μA	V _(BR) CBO	180	-	V
Collector Emitter Breakdown Voltage at Ic = 1 mA	V(BR)CEO	160	-	V
<mark>Em</mark> itter B <mark>ase</mark> Breakdown Voltage at I⊧ = 10 μA	V _{(BR)EBO}	6	-	V
Collector Emitter Saturation Voltage at Ic = 10 mA, Iв = 1 mA at Ic=50ma , Iв=5mA	VCE(sat)		0.15 0.2	V
Base Emitter Saturation Voltage at $I_{C} = 10 \text{ mA}$, $I_{B} = 1 \text{ mA}$ at $I_{C}=50 \text{ mA}$, $I_{B}=5\text{mA}$	V _{BE(sat)}	-	1 1	V
Transition Frequency at Vc∈ = 5 V, Ic = 1 mA, f=100MHz	FT	100	300	MHz
Collector Base Capacitance at Vсв=10V,f=1MHz	Сов	-	6	PF



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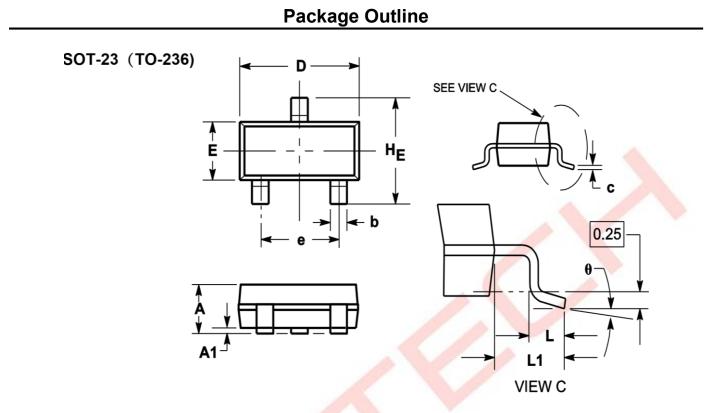
Typical Characteristics Curves



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Complete L	Dimensions in millimeter			
Symbol	Min.	Тур.	Max.	
A	0.900	1.025	1.150	
A1	0.000	0.050	0.100	
b	0.300	0.400	0.500	
С	0.080	0.115	0.150	
D	2.800	2.900	3.000	
E	1.200	1.300	1.400	
HE	2.250	2.400	2.550	
е	1.800	1.900	2.000	
L1	0.550REF			
L	0.300		0.500	
θ	0°		8°	

Device	Package	Reel Dimension (inch)	Shipping
MMBT5551	SOT-23	7	3,000

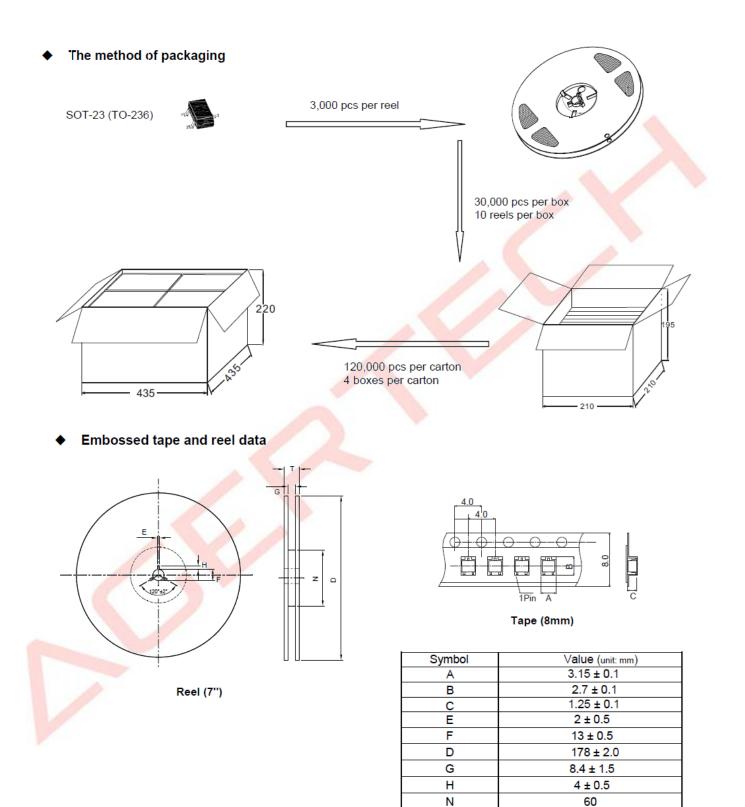


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Package Specifications





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 NTE92
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 2N4401-A
 2N6728
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 2SA2126-E
 2SB1204S-TL-E
 2SC2712S-GR,LF
 2SC5488A-TL-H

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