



FZT955

PNP Plastic-Encapsulate Transistors

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- High Voltage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"
- Marking: ZT955

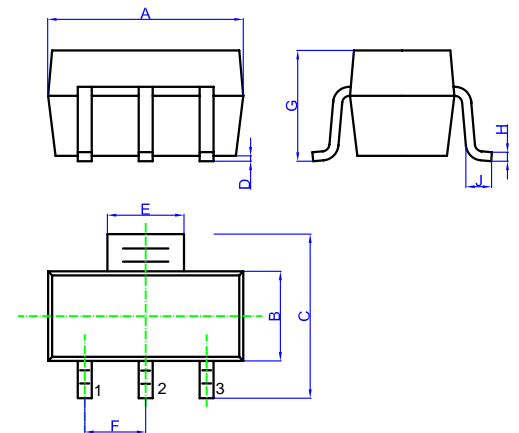
Maximum Ratings

Symbol	Rating	Value	Unit
V_{CEO}	Collector-Emitter Voltage	-140	V
V_{CBO}	Collector-Base Voltage	-180	V
V_{EBO}	Emitter-Base Voltage	-6.0	V
I_C	Collector Current DC	-4.0	A
P_C	Collector Power Dissipation	0.8	W
R_{thJA}	Thermal Resistance From Junction To Ambient	156	$^{\circ}C/W$
T_J	Junction Temperature	150	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}C$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=-0.1mA_{dc}, I_E=0$)	-180	---	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=-10mA_{dc}, I_B=0$)	-140	---	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=-0.1mA_{dc}, I_C=0$)	-6.0	---	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=-150V_{dc}, I_E=0$)	---	---	-50	nAdc
I_{EBO}	Emitter Cutoff Current ($V_{EB}=-6.0V_{dc}, I_C=0$)	---	---	-10	nAdc
$h_{FE(1)}$	DC Current Gain ($V_{CE}=-5V_{dc}, I_C=-10mA_{dc}$)	100	---	---	---
$h_{FE(2)}$	DC Current Gain ($V_{CE}=-5V_{dc}, I_C=-1A_{dc}$)	100	---	300	---
$h_{FE(3)}$	DC Current Gain ($V_{CE}=-5V_{dc}, I_C=-3A_{dc}$)	75	---	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=-0.1A_{dc}, I_B=-5.0mA_{dc}$)	---	---	-60	Vdc
	($I_C=-0.5A_{dc}, I_B=-50mA_{dc}$)	---	---	-120	Vdc
	($I_C=-1.0A_{dc}, I_B=-100mA_{dc}$)	---	---	-150	Vdc
	($I_C=-3.0A_{dc}, I_B=-300mA_{dc}$)	---	---	-370	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=-3.0A_{dc}, I_B=-300mA_{dc}$)	---	---	-1.11	Vdc
V_{BE}	Base-Emitter Voltage ($V_{CE}=-5.0V_{dc}, I_C=-3.0A_{dc}$)	---	---	-0.95	Vdc
f_T	Transition Frequency ($V_{CE}=-10V_{dc}, I_C=-10mA_{dc}, f=100MHz$)	30	---	---	MHz
C_{ob}	Collector Output Capacitance ($V_{CB}=-20V_{dc}, I_E=0, f=1MHz$)	---	40	---	pF

SOT-223

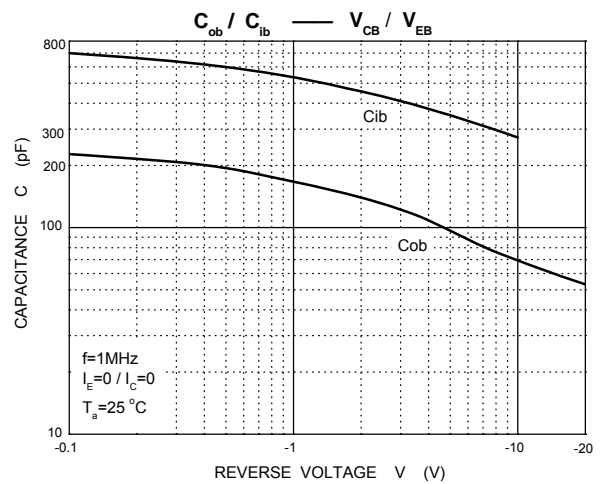
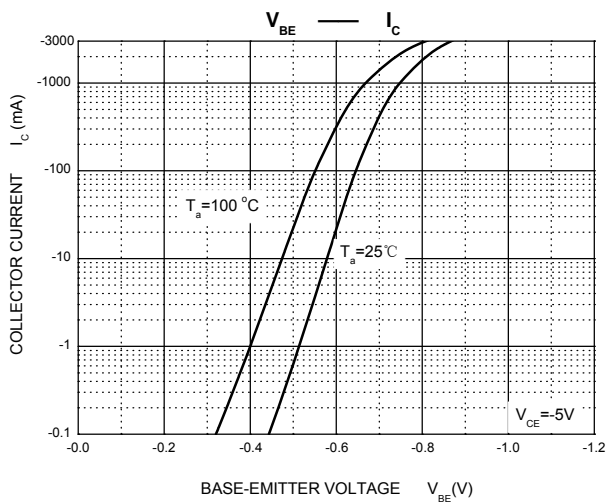
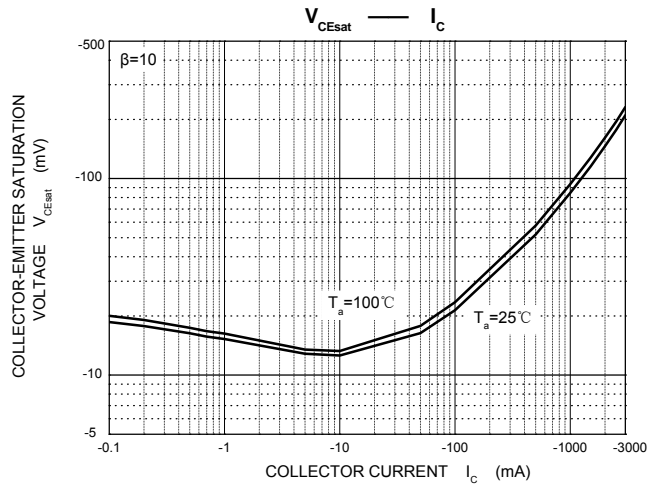
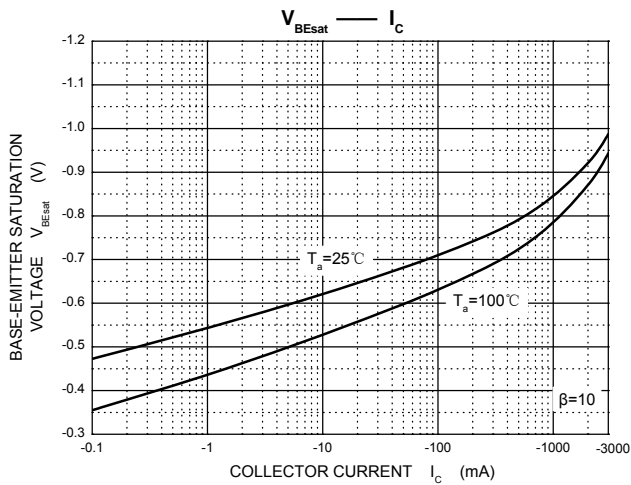
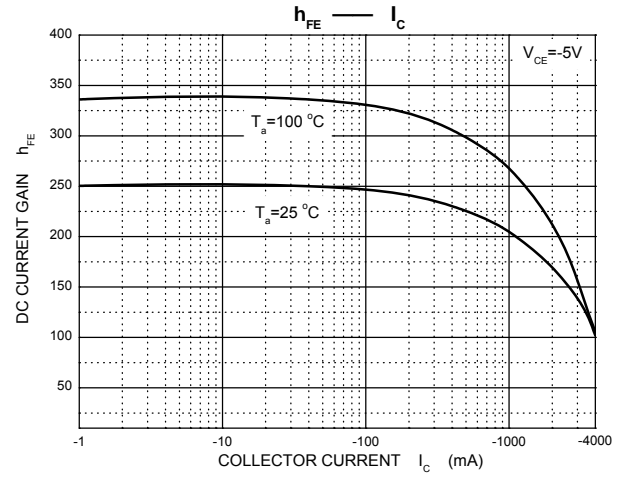
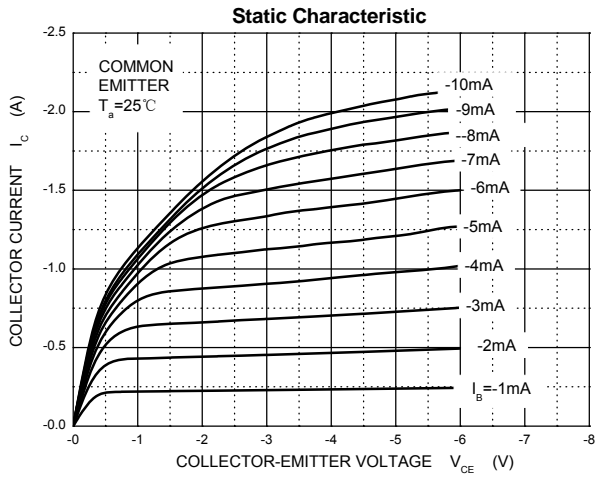


1. BASE
2. COLLECTOR
3. EMITTER

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.248	.264	6.30	6.70	
B	.130	.146	3.30	3.70	
C	.264	.287	6.70	7.30	
D	.001	.004	0.02	0.10	
E	.114	.122	2.90	3.10	
F	.091		2.30		
G	---	.071	---	1.80	
H	.009	.014	0.23	0.35	
J	.030	---	0.75	---	

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Typical Characteristics



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