



Micro Commercial Components
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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	°C/W
T_J	Junction Temperature	150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

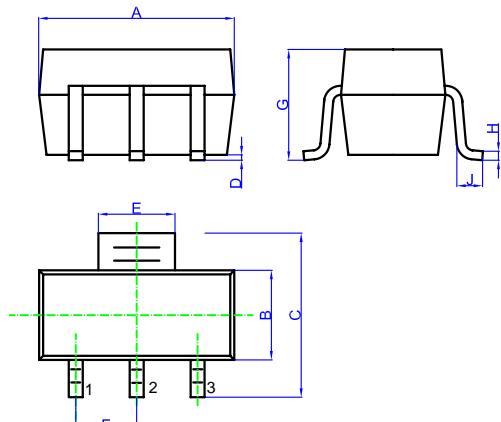
Electrical Characteristics @ 25°C Unless Otherwise Specified

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

FZT955

PNP
Plastic-Encapsulate
Transistors

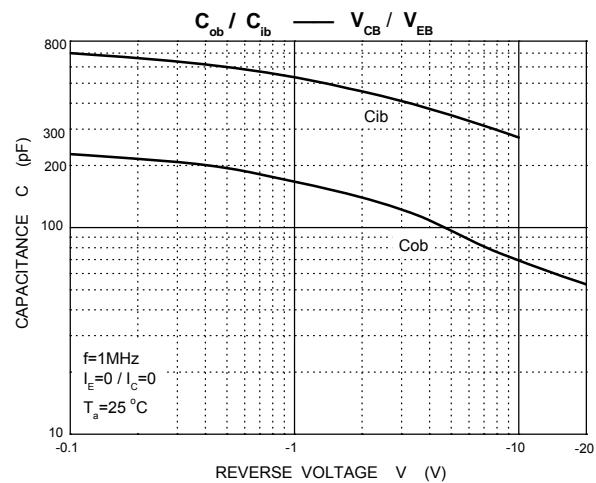
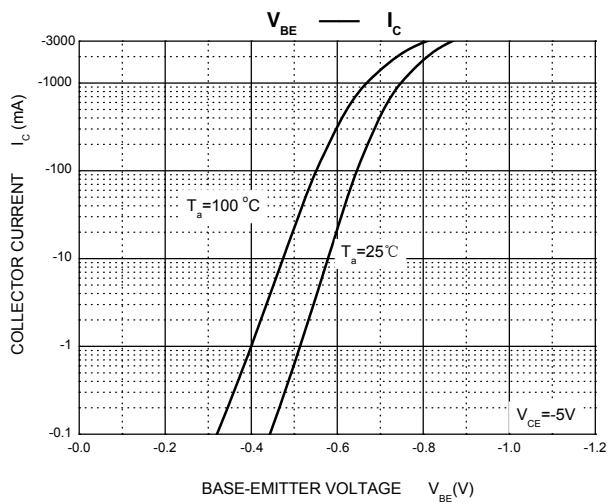
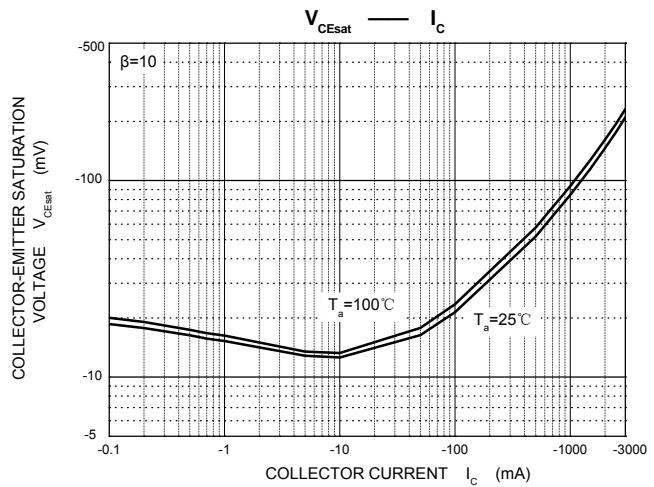
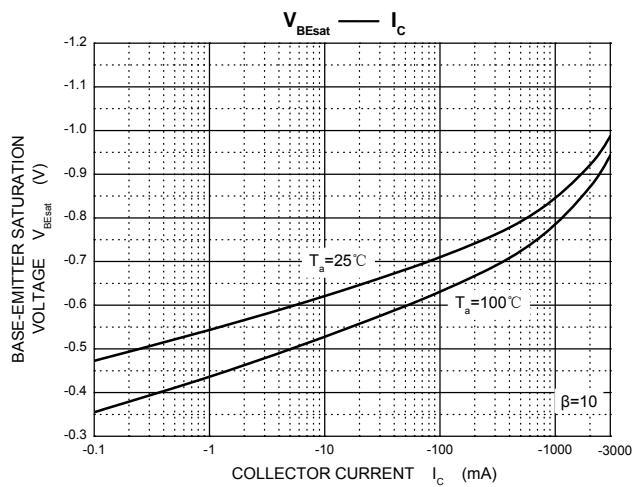
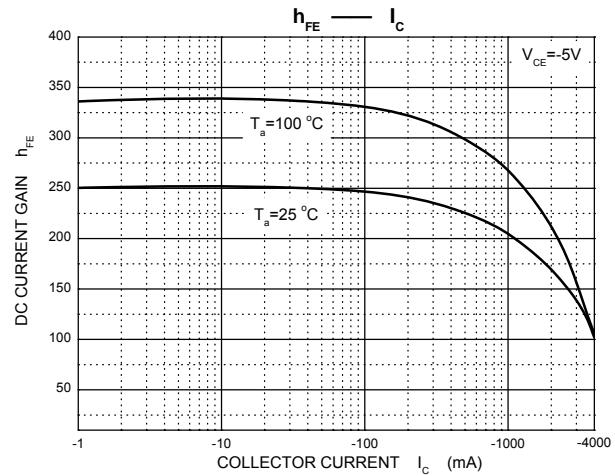
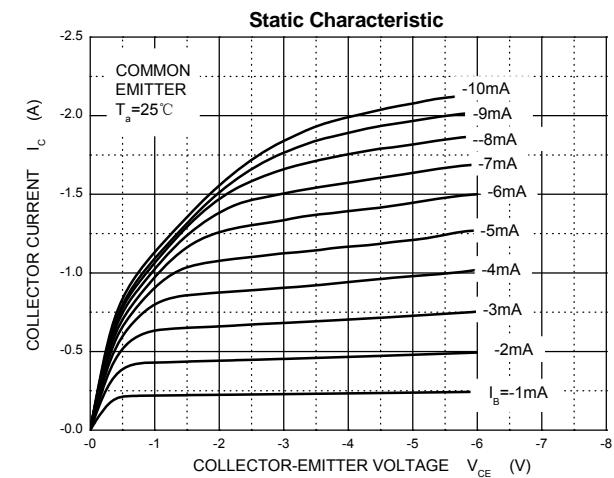
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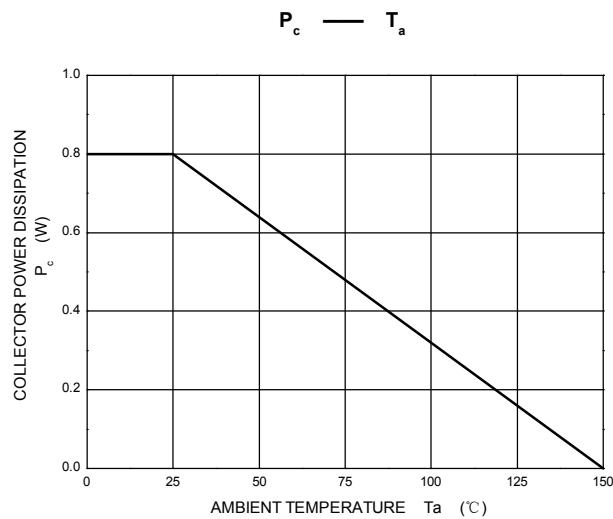
1. BASE
2. COLLECTOR
3. Emitter

DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
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	---	

Typical Characteristics



FZT955





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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 2.5Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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