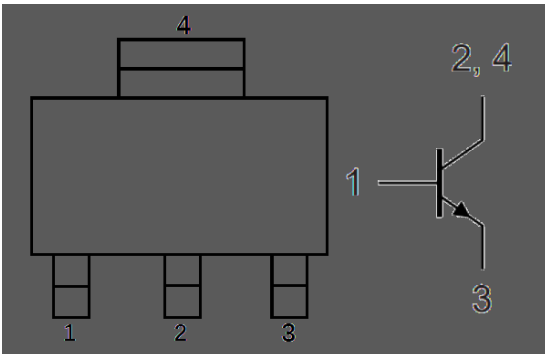


- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1

- : SOT-223
- Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking: ZT5551



($T_a=25$ unless otherwise noted)

Minimum Collector-Emitter Voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	160
Minimum Collector-Base Voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	180
Minimum Emitter-Base Voltage	V_{EBO}	V	$I_E=10\mu A, I_C=0$	6
Collector Current	I_C	A		0.6
Power Dissipation	P_D	W		1
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	/W		125
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{stg}			-55 to +150



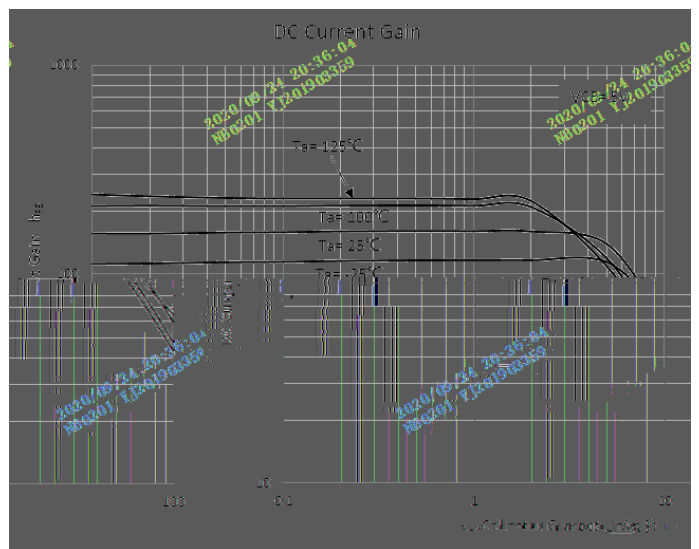
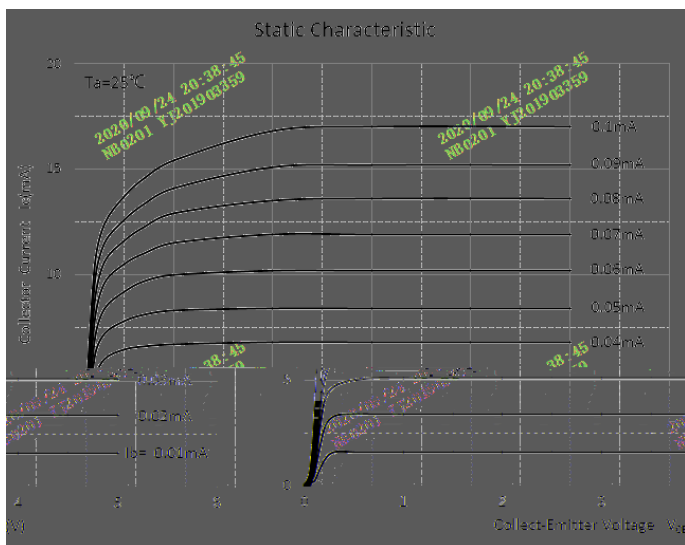
(Ta=25 unless otherwise noted)

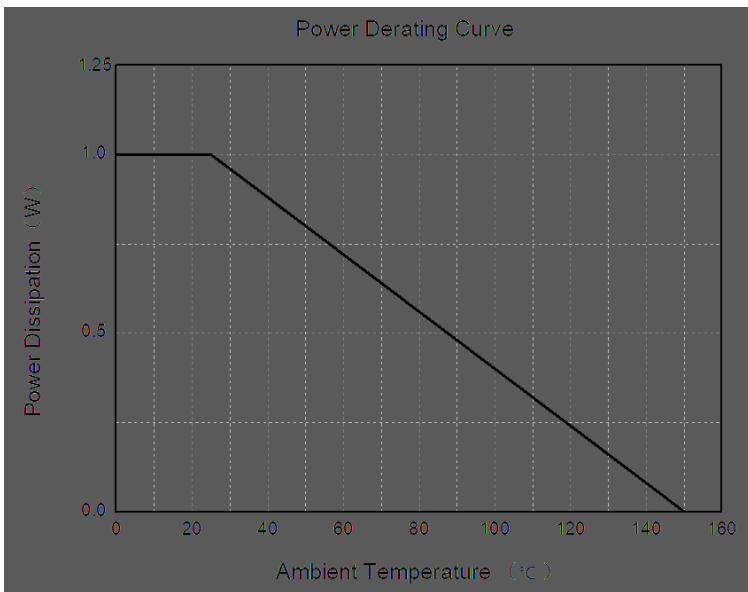
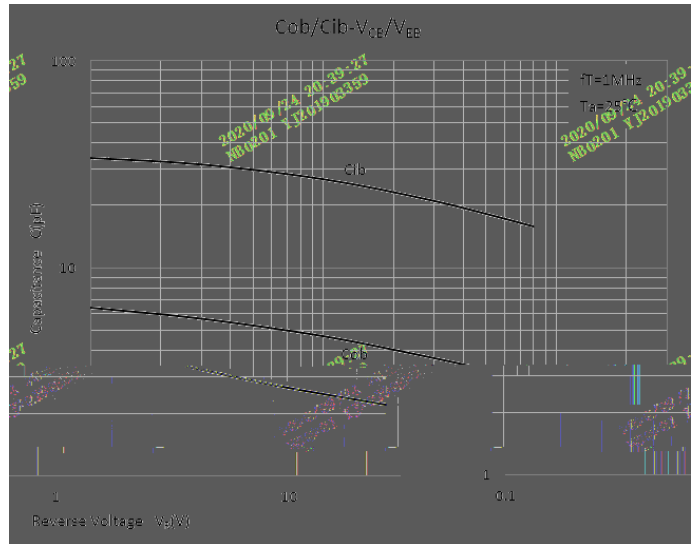
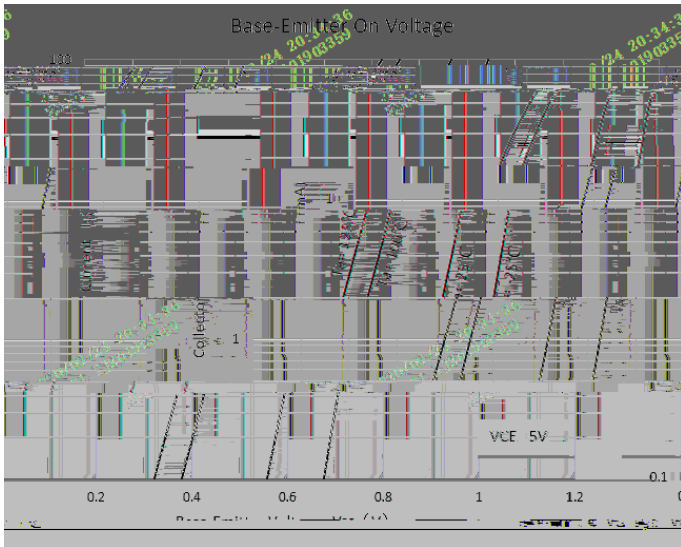
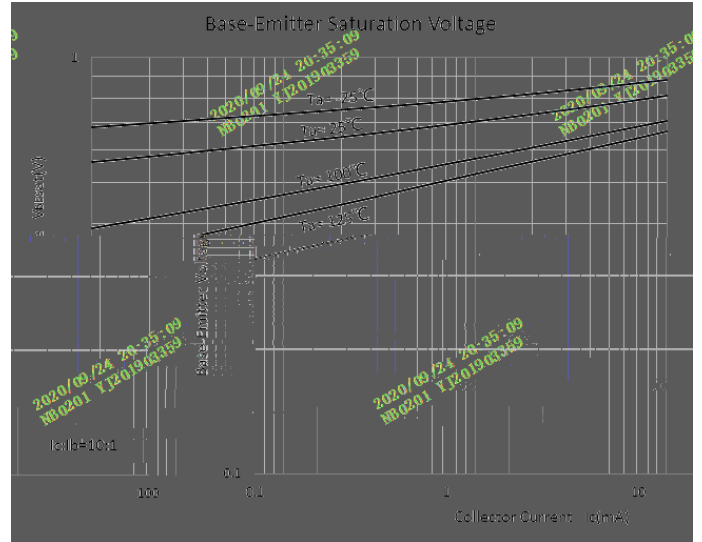
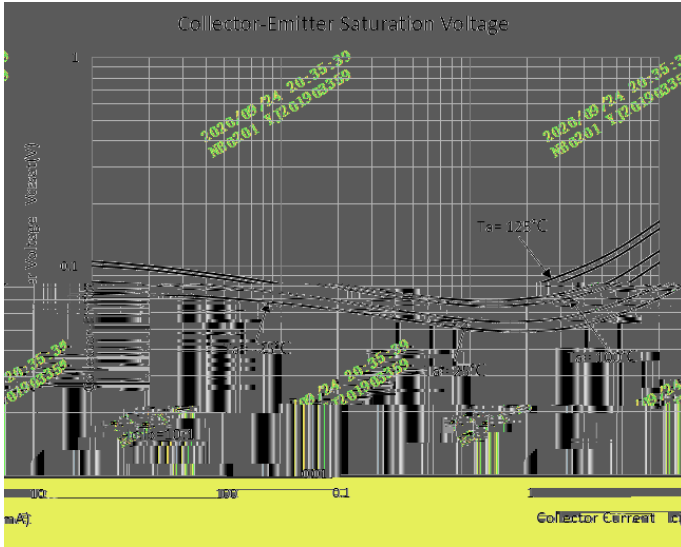
Collector-Emitter Voltage	V_{CE0}	V	$I_C=1mA, I_B=0$	160	-
Collector-Base Voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	180	-
Emitter-Base Voltage	V_{EBO}	V	$I_E=10\mu A, I_C=0$	6.0	-
Collector-base Cut-off Current	I_{CBO}	nA	$V_{CB}=120Vdc$	-	50
Emitter-base Cut-off Current	I_{EBO}	nA	$V_{EB}=4.0Vdc$	-	50
DC Current Gain	h_{FE}		$I_C=1.0mA, V_{CE}=5.0Vdc$	80	-
			$I_C=10mA, V_{CE}=5.0Vdc$	80	250
			$I_C=50mA, V_{CE}=5.0Vdc$	30	-
Collector-Emitter Saturation Voltage	$V_{CE(sat)1}$	V	$I_C=10mA, I_B=1.0mA$	-	0.15
	$V_{CE(sat)2}$	V	$I_C=50mA, I_B=5.0mA$	-	0.2
Base-Emitter Saturation Voltage	$V_{BE(sat)1}$	V	$I_C=10mA, I_B=1.0mA$	-	1
	$V_{BE(sat)2}$	V	$I_C=50mA, I_B=5.0mA$	-	1
Output Capacitance	C_{ob}	pF	$V_{CB}=10Vdc, I_E=0, f=1MHz$	-	6
Transition frequency	f_T	MHz	$I_C=10mA, V_{CE}=5.0Vdc, f=30MHz$	100	300

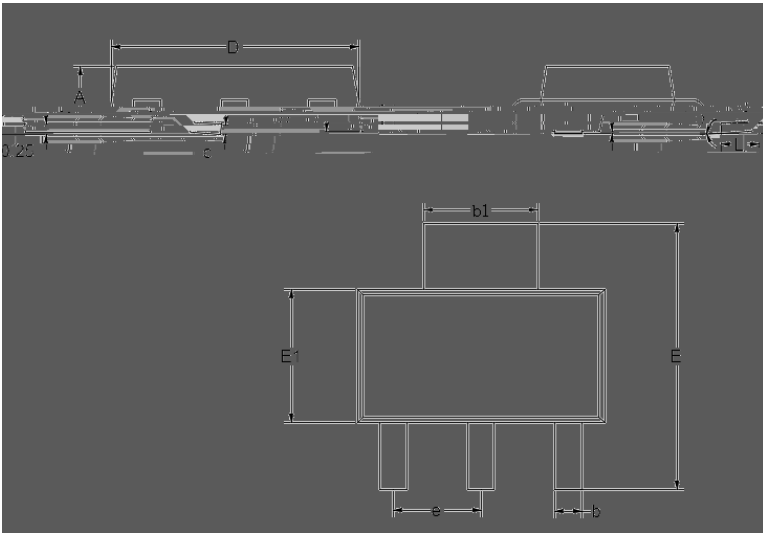
(Example)

PZT5551	F2	Approximate 0.11	2500	5000	25000	13" reel
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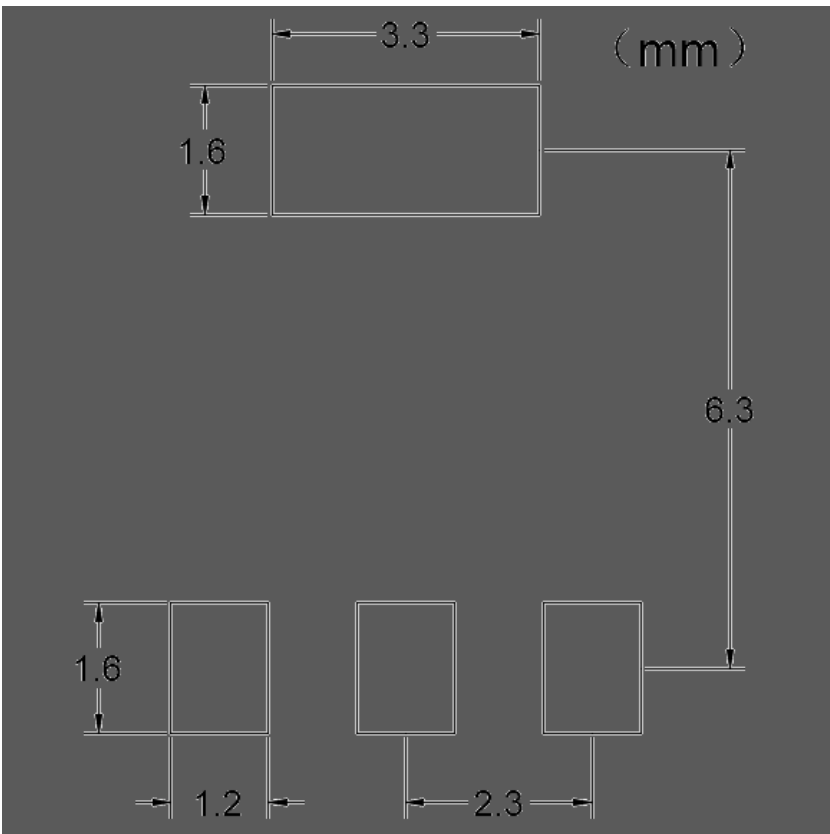
(Typical)







DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.0591	0.0670	1.5000	1.7000
A1	0.0008	0.0039	0.0200	0.1000
b	0.0259	0.0330	0.6600	0.8400
b1	0.1140	0.1220	2.9000	3.1000
c	0.0090	0.0138	0.2300	0.3500
D	0.3488	0.3649	8.8000	9.3000
E	0.4764	0.4943	12.0000	12.5000
E1	0.1417	0.1512	3.5000	3.8000
e	0.1849	0.1944	4.6000	4.9000
b	0.1094	0.1189	2.7000	3.0000





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