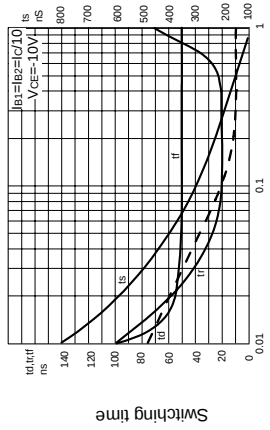




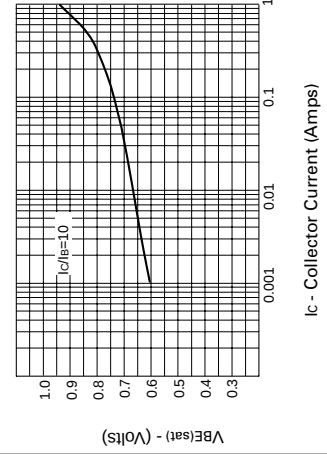
THE DATASHEET OF ZTX450STZ

**NPN SILICON PLANAR
MEDIUM POWER TRANSIS
ISSUE 2 – MARCH 1994**

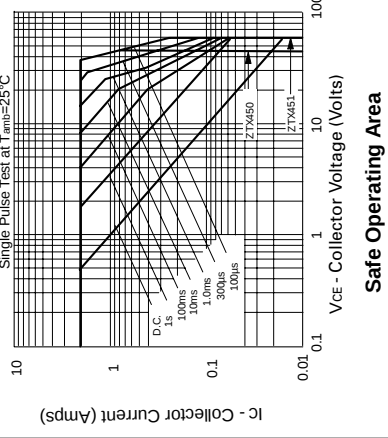
FEATURES



Typical Switching Speed



I_C - Collector Current (Amps)	$V_{BE(sat)}$ V IC
0.000	0.700
0.005	0.700
0.010	0.700
0.015	0.700
0.020	0.700
0.025	0.700
0.030	0.700
0.035	0.700
0.040	0.700
0.045	0.700
0.050	0.700
0.055	0.700
0.060	0.700
0.065	0.700
0.070	0.700
0.075	0.700
0.080	0.700
0.085	0.700
0.090	0.700
0.095	0.700
0.100	0.700
0.105	0.700
0.110	0.700
0.115	0.700
0.120	0.700
0.125	0.700
0.130	0.700
0.135	0.700
0.140	0.700
0.145	0.700
0.150	0.700
0.155	0.700
0.160	0.700
0.165	0.700
0.170	0.700
0.175	0.700
0.180	0.700
0.185	0.700
0.190	0.700
0.195	0.700
0.200	0.700
0.205	0.700
0.210	0.700
0.215	0.700
0.220	0.700
0.225	0.700
0.230	0.700
0.235	0.700
0.240	0.700
0.245	0.700
0.250	0.700
0.255	0.700
0.260	0.700
0.265	0.700
0.270	0.700
0.275	0.700
0.280	0.700
0.285	0.700
0.290	0.700
0.295	0.700
0.300	0.700
0.305	0.700
0.310	0.700
0.315	0.700
0.320	0.700
0.325	0.700
0.330	0.700
0.335	0.700
0.340	0.700
0.345	0.700
0.350	0.700
0.355	0.700
0.360	0.700
0.365	0.700
0.370	0.700
0.375	0.700
0.380	0.700
0.385	0.700
0.390	0.700
0.395	0.700
0.400	0.700
0.405	0.700
0.410	0.700
0.415	0.700
0.420	0.700
0.425	0.700
0.430	0.700
0.435	0.700
0.440	0.700
0.445	0.700
0.450	0.700
0.455	0.700
0.460	0.700
0.465	0.700
0.470	0.700
0.475	0.700
0.480	0.700
0.485	0.700
0.490	0.700
0.495	0.700
0.500	0.700
0.505	0.700
0.510	0.700
0.515	0.700
0.520	0.700
0.525	0.700
0.530	0.700
0.535	0.700
0.540	0.700
0.545	0.700
0.550	0.700
0.555	0.700
0.560	0.700
0.565	0.700
0.570	0.700
0.575	0.700
0.580	0.700
0.585	0.700
0.590	0.700
0.595	0.700
0.600	0.700
0.605	0.700
0.610	0.700
0.615	0.700
0.620	0.700
0.625	0.700
0.630	0.700
0.635	0.700
0.640	0.700
0.645	0.700
0.650	0.700
0.655	0.700
0.660	0.700
0.665	0.700
0.670	0.700
0.675	0.700
0.680	0.700
0.685	0.700
0.690	0.700
0.	



Safe Operating Area

PARAMETER
Collector-Base Voltage
Collector-Emitter Voltage
Emitter-Base Voltage
Peak Pulse Current
Continuous Collector Current
Power Dissipation at $T_{amb}=25^{\circ}\text{C}$
Operating and Storage Temperature Range

PARAMETER	SYMBOL	2
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	MIN.
Collector-Emitter Sustaining Voltage	$V_{CEO(sus)}$	45
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	5
Collector Cut-Off Current	I_{CBO}	
Emitter Cut-Off Current	I_{EBO}	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	
Static Forward Current Transfer Ratio	h_{FE}	100 15
Transition Frequency	f_T	150
Output Capacitance	C_{obo}	

ZTX450

ZTX451

NPN SILICON PLANAR

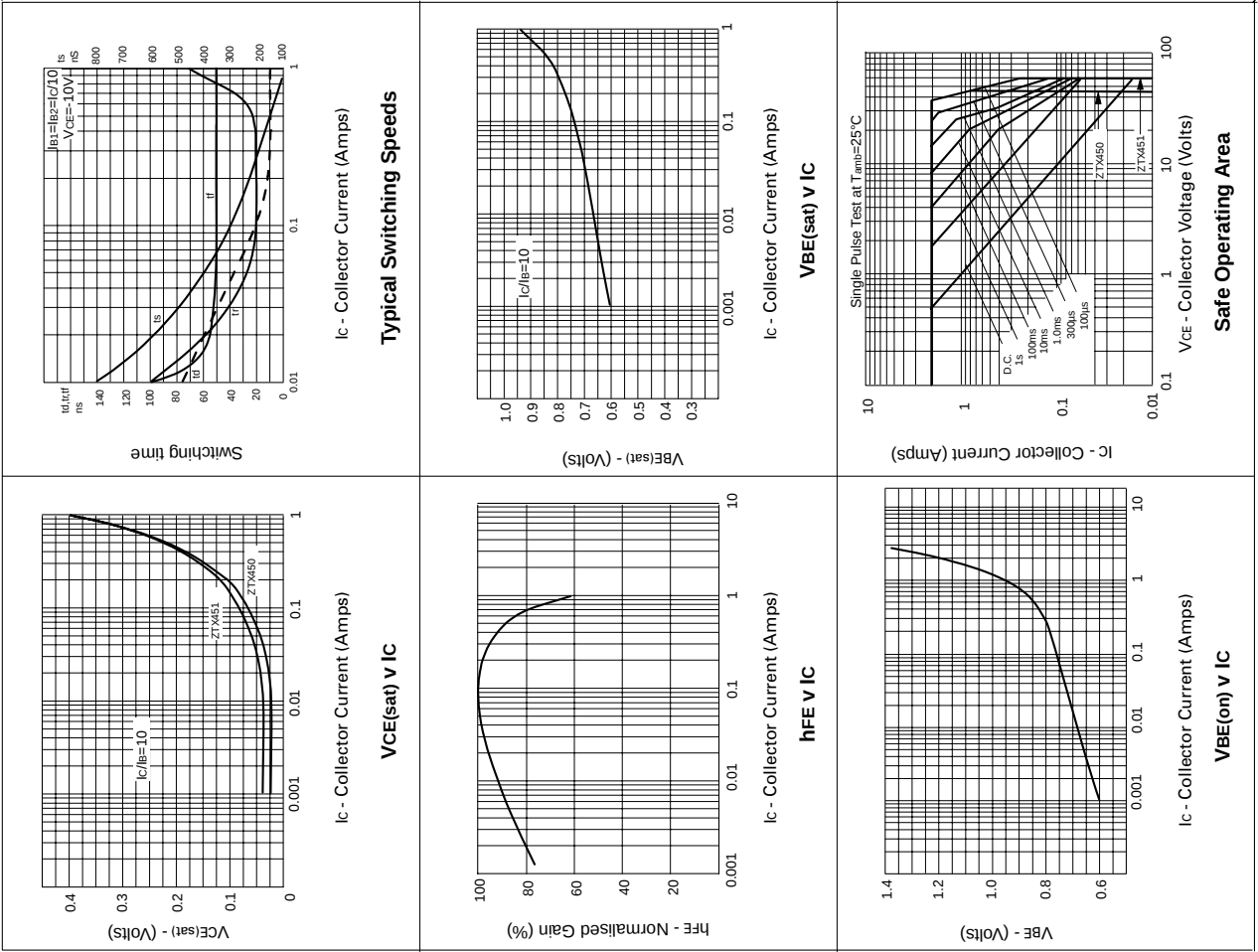
MEDIUM POWER TRANSISTORS

ISSUE 2 – MARCH 1994

FEATURES

- * 60 Volt V_{CE0}
- * 1 Amp continuous current
- * P_{tot} = 1 Watt

TYPICAL CHARACTERISTICS



Looking for pricing, stock, or lifecycle information?

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management