



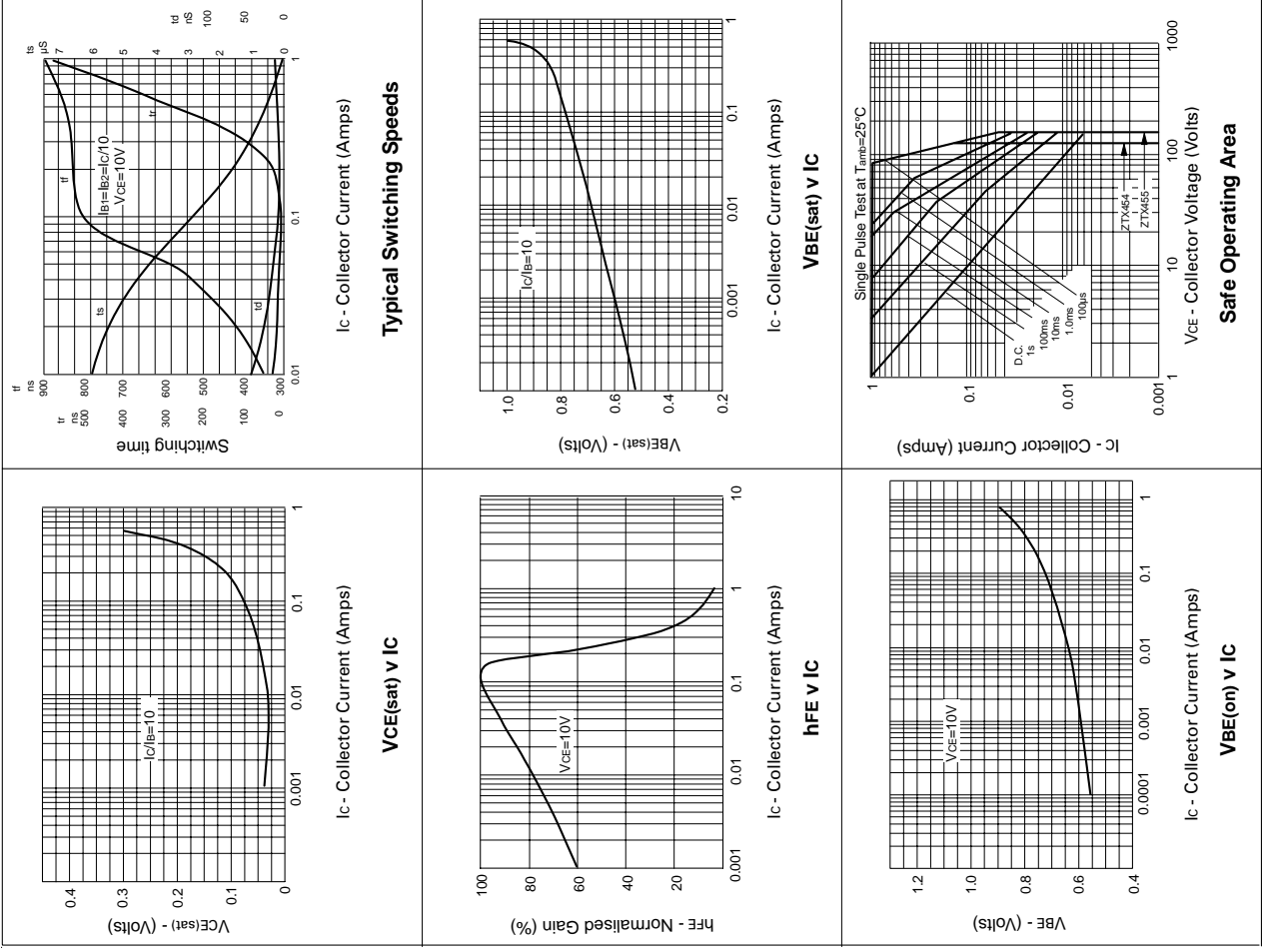
THE DATASHEET OF ZTX455STZ



ZTX454 ZTX455

NPN SILICON PLANAR MEDIUM POWER TRANSISTORS ISSUE 2 - MARCH 1994

TYPICAL CHARACTERISTICS



ABSOLUTE MAXIMUM RATINGS

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

ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	MAX.
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	140	
Collector-Emitter Sustaining Voltage	$V_{CE(sus)}$	120	
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	5	
Collector Cut-Off Current	I_{CBO}		
Emitter Cut-Off Current	I_{EBO}		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		
Static Forward Current Transfer Ratio	h_{FE}	100	30
Transition Frequency	f_T	10†	100
Output Capacitance	C_{obo}		

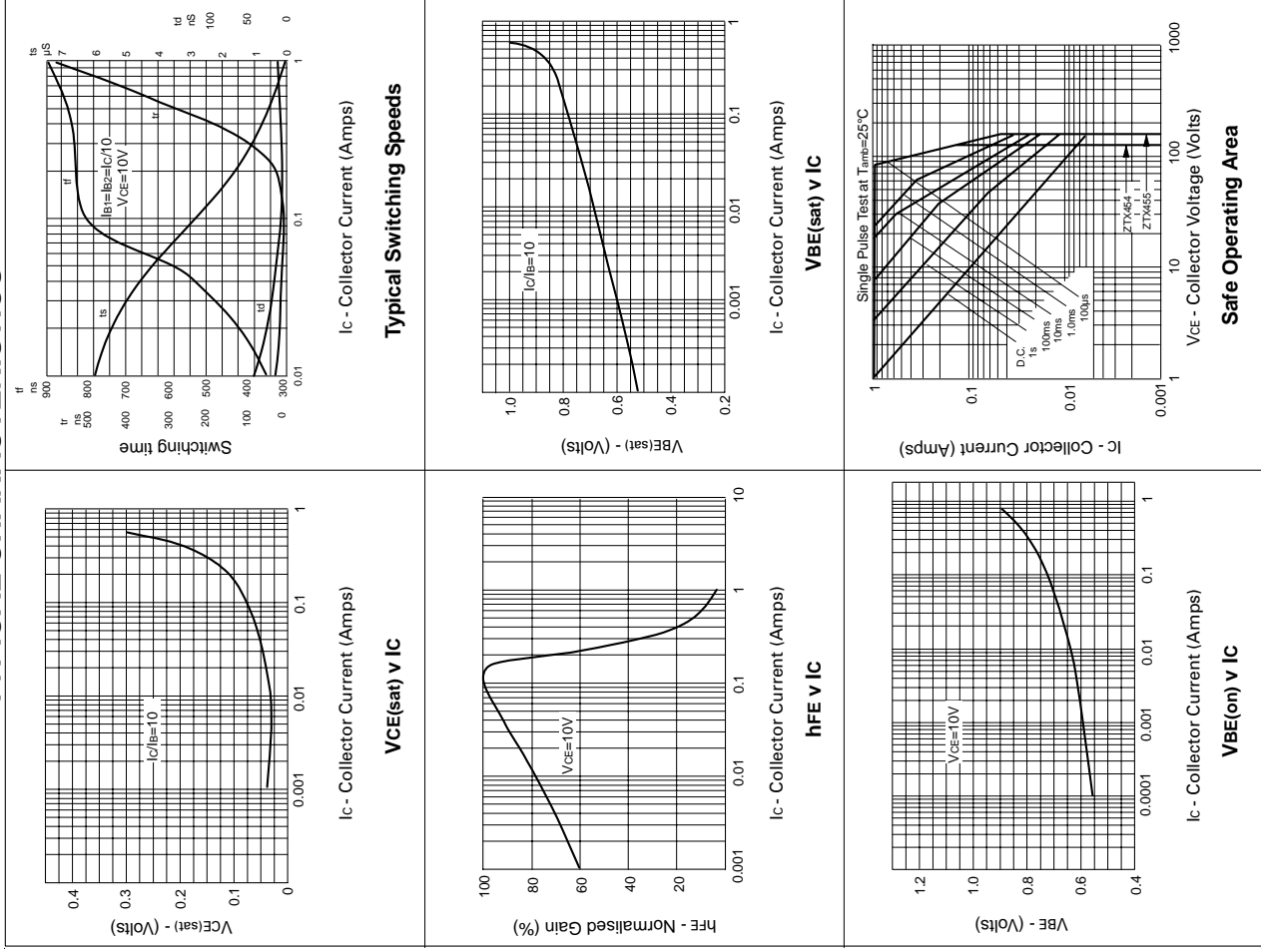
* Measured under pulsed conditions. Pulses

† Typical

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TYPICAL CHARACTERISTICS



ABSOLUTE MAXIMUM RATINGS

PARAMETER	MIN.	MAX.
Collector-Base Voltage		140
Collector-Emitter Voltage		120
Emitter-Base Voltage		5
Peak Pulse Current		
Continuous Collector Current		
Power Dissipation at $T_{amb}=25^{\circ}C$		
Operating and Storage Temperature Range		

ELECTRICAL CHARACTERISTICS



PARAMETER	SYMBOL	MIN.	MAX.
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	140	
Collector-Emitter Sustaining Voltage	$V_{CE(sus)}$	120	
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	5	
Collector Cut-Off Current	I_{CBO}		
Emitter Cut-Off Current	I_{EBO}		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		
Static Forward Current Transfer Ratio	h_{FE}	100	300
Transition Frequency	f_T	10†	100
Output Capacitance	C_{obo}		

* Measured under pulsed conditions. Pulse

† Typical

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