



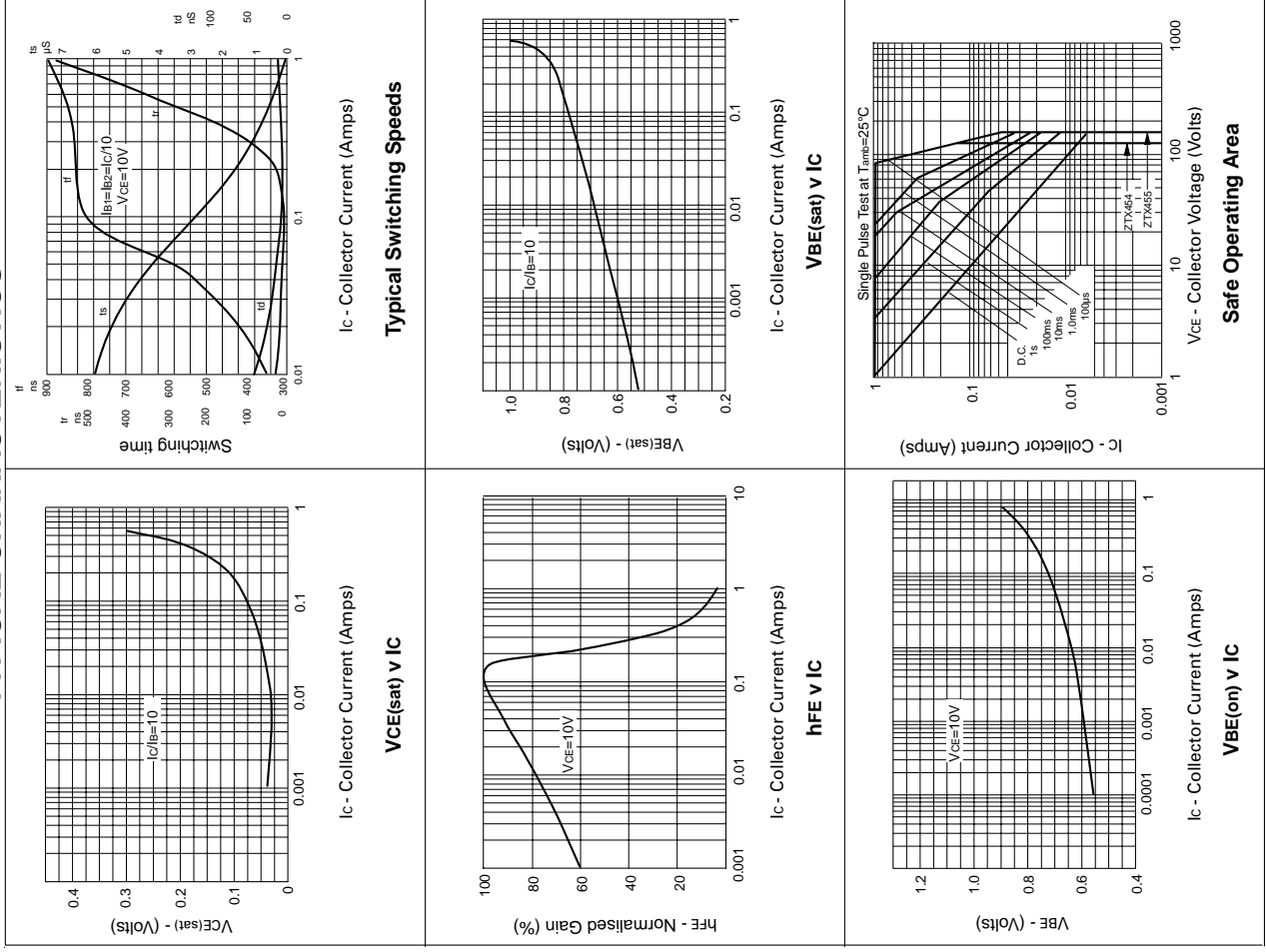
# THE DATASHEET OF ZTX455



# ZTX454 ZTX455

## NPN SILICON PLANAR MEDIUM POWER TRANSISTORS ISSUE 2 - MARCH 1994

### 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 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	$C_{obo}$		

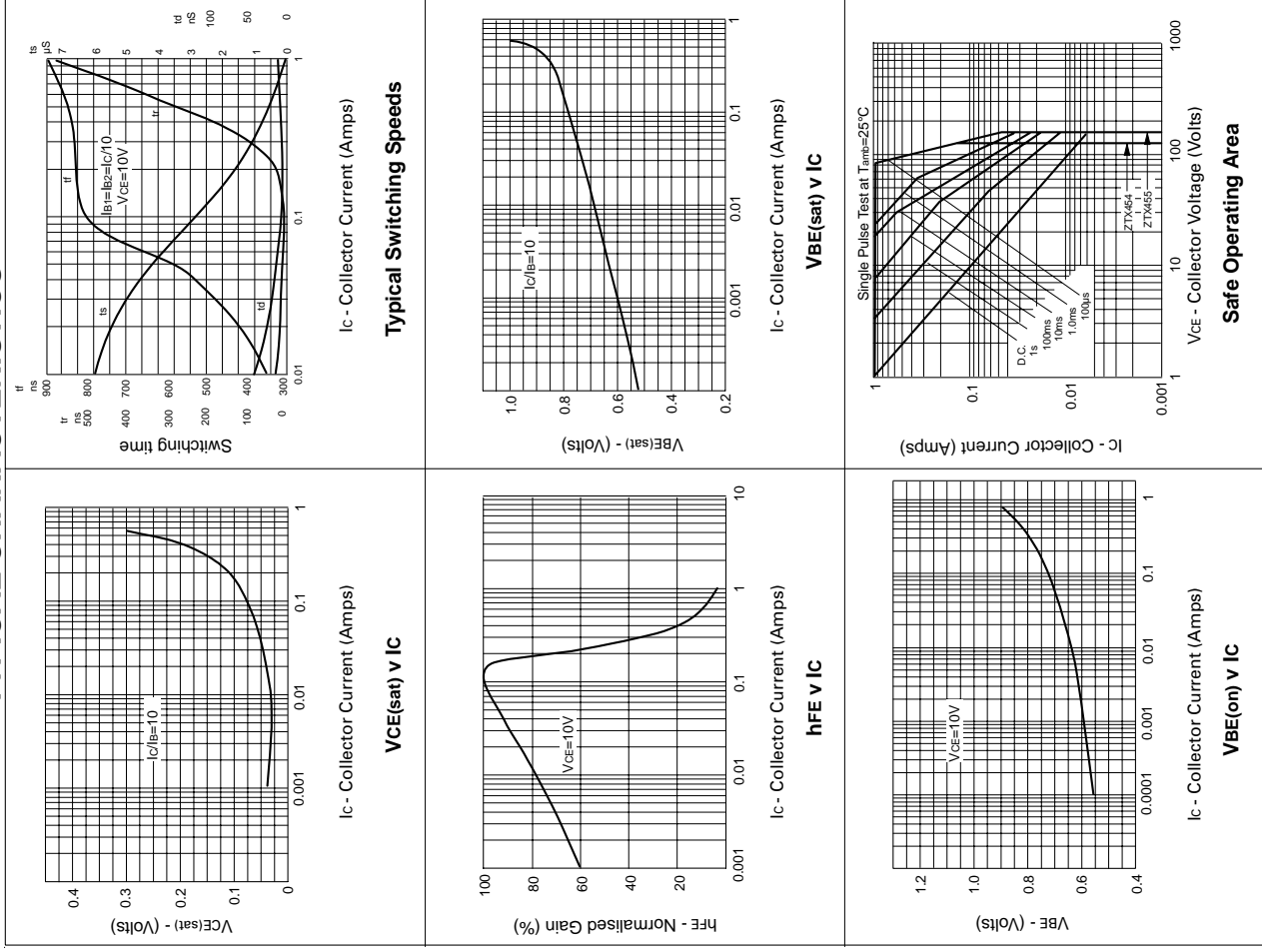
\* Measured under pulsed conditions. Pulses

† Typical

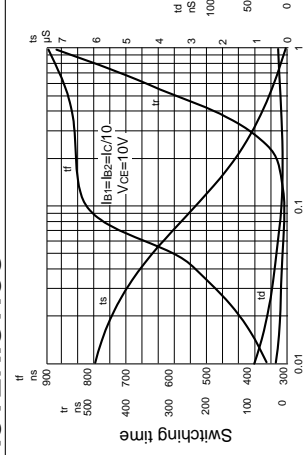
# ZTX454 ZTX455

## NPN SILICON PLANAR MEDIUM POWER TRANSISTORS ISSUE 2 - MARCH 1994

### TYPICAL CHARACTERISTICS

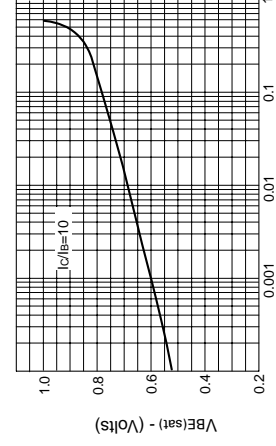


3-180



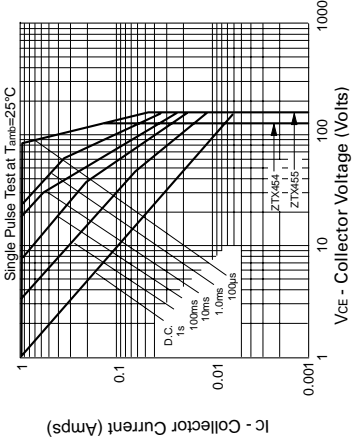
IC - Collector Current (Amps)

#### Typical Switching Speeds



IC - Collector Current (Amps)

#### VBE(sat) v IC



IC - Collector Current (Amps)

#### Safe Operating Area

### 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 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. Pulses

† Typical

## Looking for pricing, stock, or lifecycle information?

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