



# THE DATASHEET OF ZTX550QSTZ



# ZTX550 ZTX551

## PNP SILICON PLANAR MEDIUM POWER TRANSISTOR

ISSUE 1 – MARCH 94

### FEATURES

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

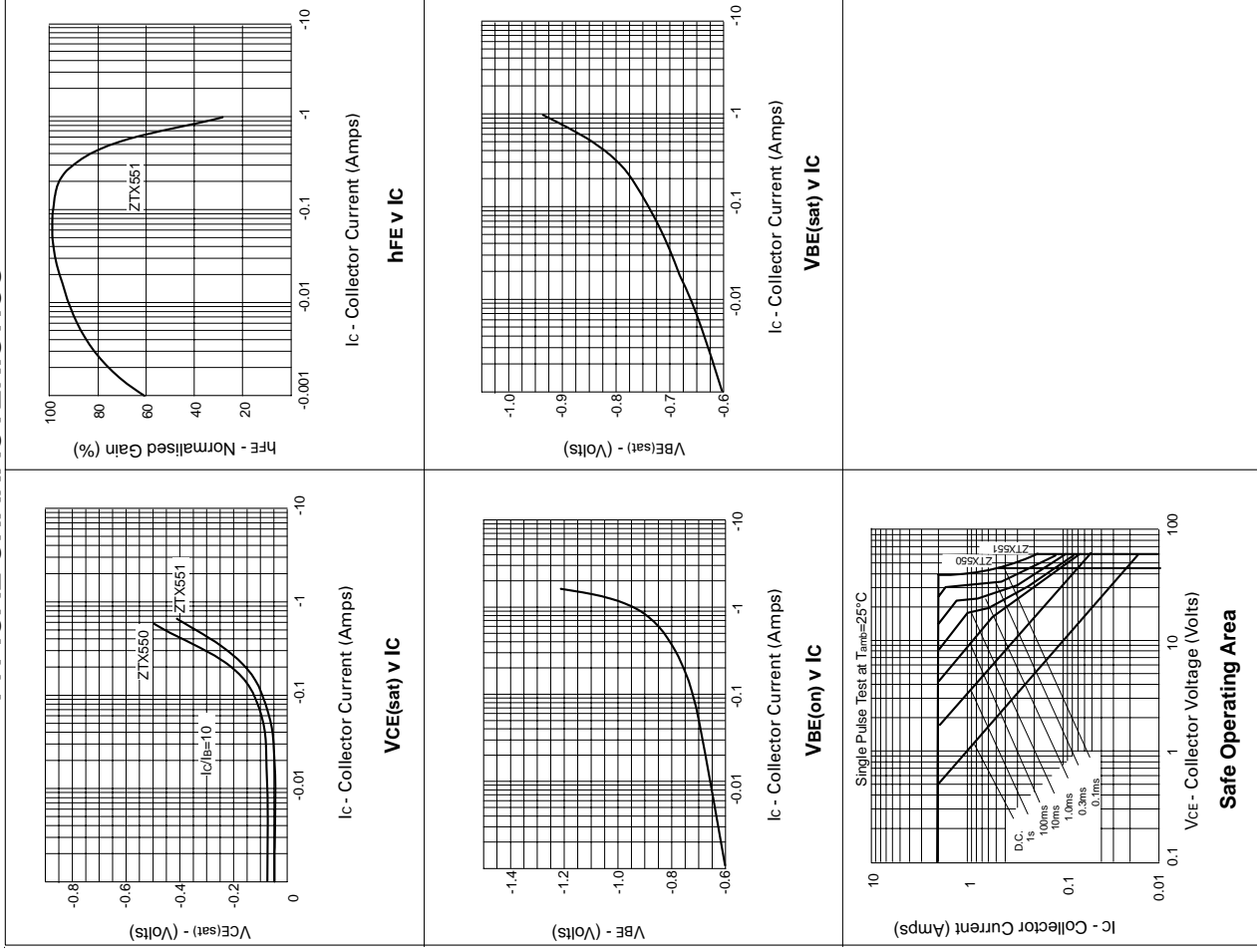
### ABSOLUTE MAXIMUM RATINGS

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

### ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-60
Collector-Emitter Sustaining Voltage	$V_{CE0(sus)}$	-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

### TYPICAL CHARACTERISTICS



# ZTX550 ZTX551

## PNP SILICON PLANAR MEDIUM POWER TRANSISTOR

ISSUE 1 – MARCH 94

### FEATURES

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

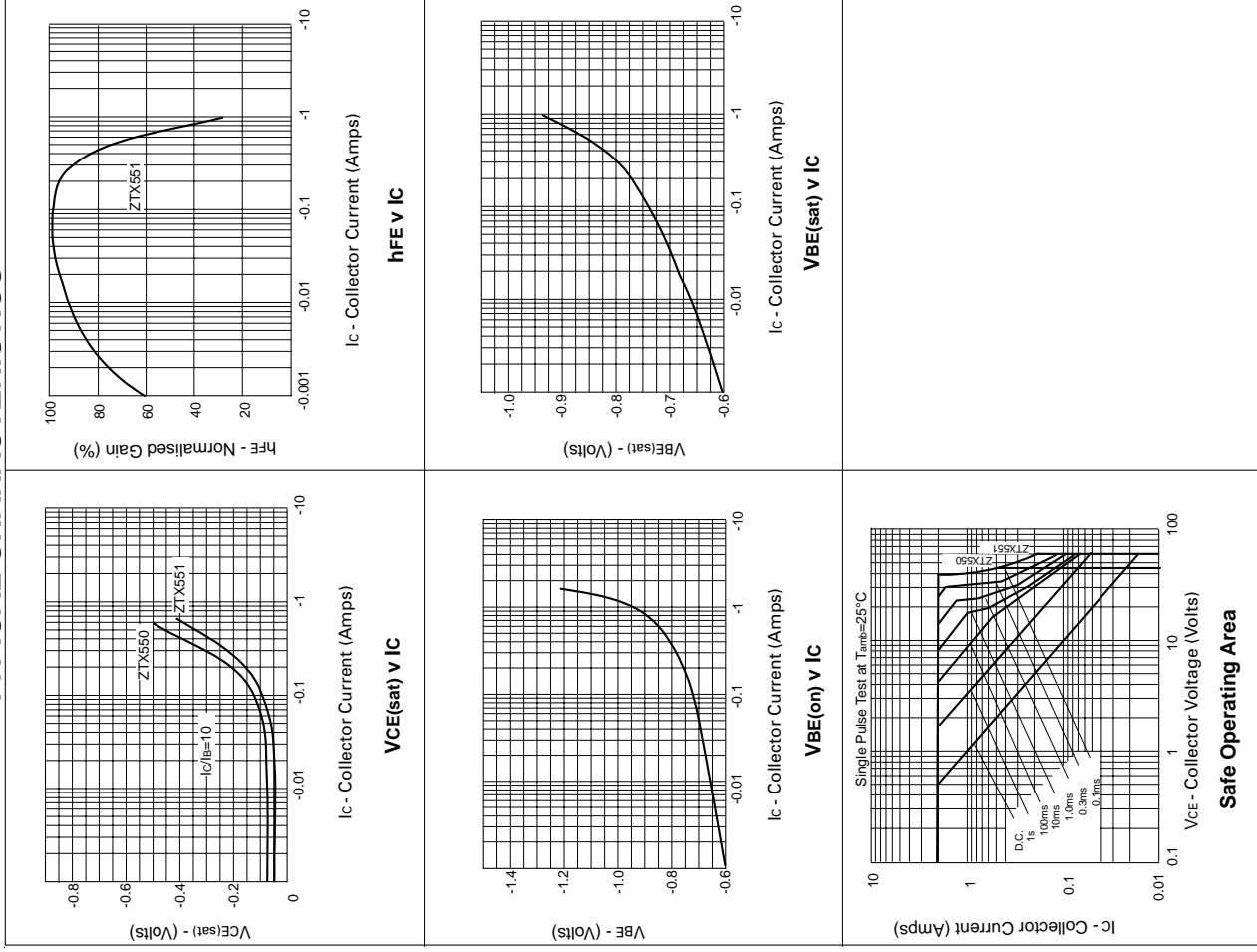
### ABSOLUTE MAXIMUM RATINGS

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

### ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-60
Collector-Emitter Sustaining Voltage	$V_{CE0(sus)}$	-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

### TYPICAL CHARACTERISTICS



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

Click below to explore more details on WIN SOURCE:

-  [View ZTX550QSTZ on WIN SOURCE](#)
-  [Diodes Incorporated Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

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