



THE DATASHEET OF ZTX550



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

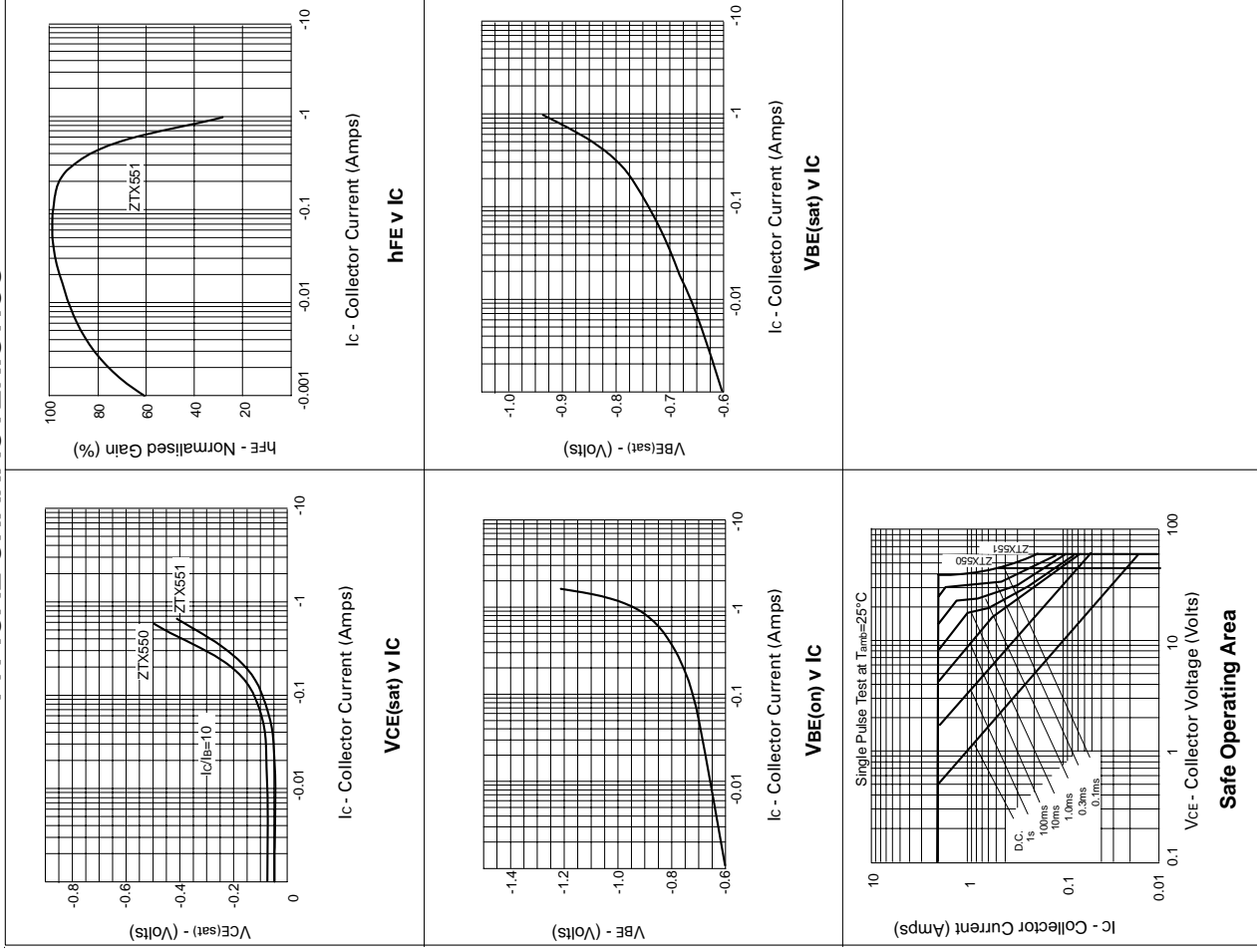
ABSOLUTE MAXIMUM RATINGS

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



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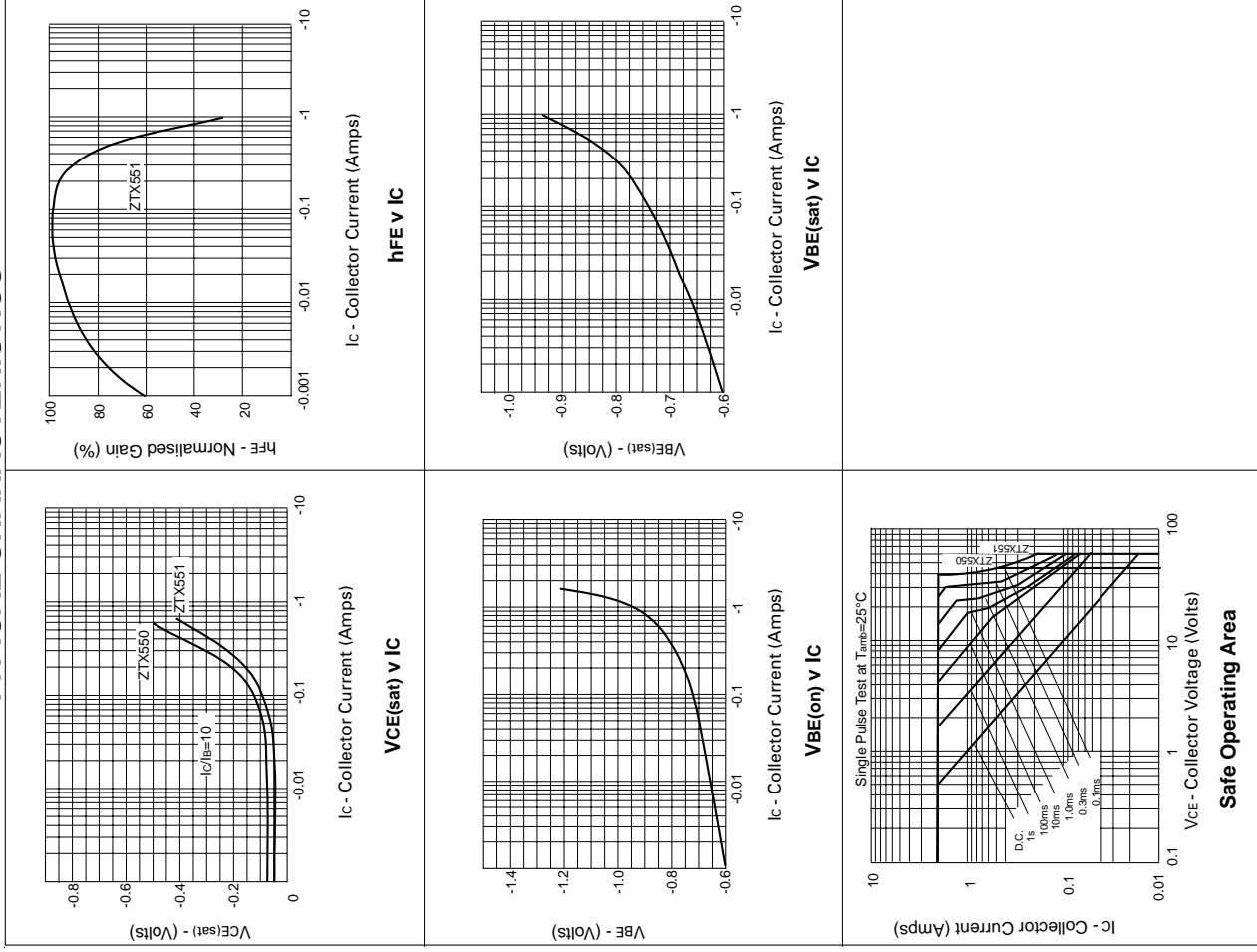
ABSOLUTE MAXIMUM RATINGS

PARAMETER	MIN	MAX
Collector-Base Voltage	-60	
Collector-Emitter Voltage	-45	
Emitter-Base Voltage	-5	
Peak Pulse Current		150
Continuous Collector Current		100
Power Dissipation: at $T_{amb}=25^{\circ}C$ derate above $25^{\circ}C$		15
Operating and Storage Temperature		150

ELECTRICAL CHARACTERISTICS



PARAMETER	SYMBOL	MIN	MAX
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-60	
Collector-Emitter Sustaining Voltage	$V_{CE0(sus)}$	-45	
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Static Forward Current Transfer Ratio	h_{FE}		15
Transition Frequency	f_T		150

TYPICAL CHARACTERISTICS



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