



THE DATASHEET OF ZTX558



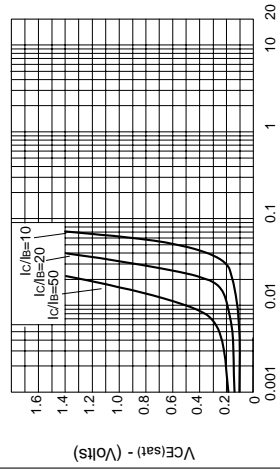
ZTX558

PNP SILICON PLANAR ME HIGH VOLTAGE TRANSIS ISSUE 1 – APRIL 94

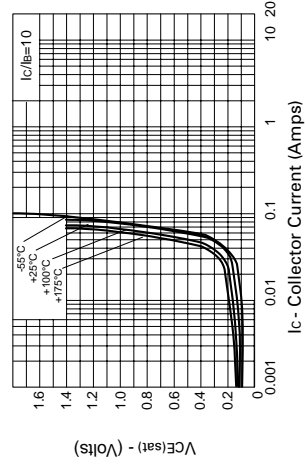
FEATURES

- * 400 Volt V_{CE0}
- * 200mA continuous current
- * $P_{tot} = 1$ Watt

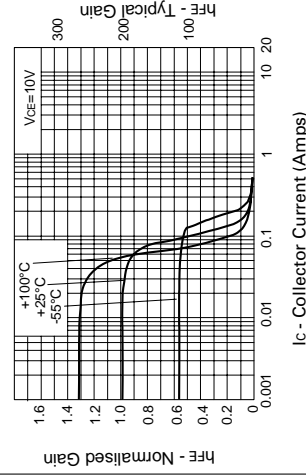
TYPICAL CHARACTERISTICS



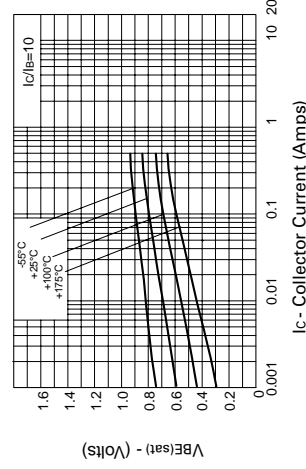
$V_{CE(sat)}$ v I_C



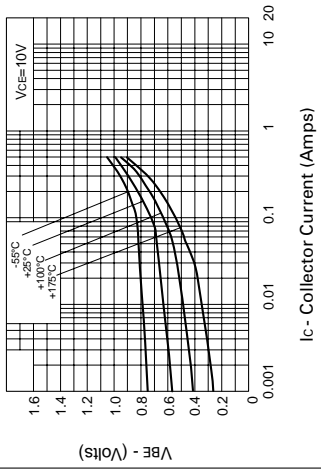
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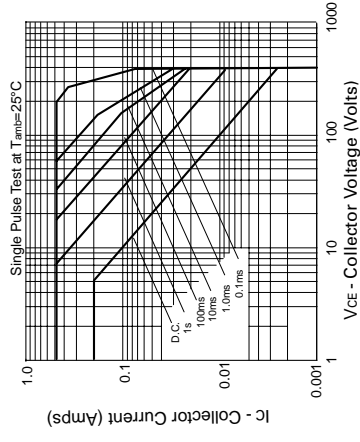
h_{FE} v I_C



$V_{BE(sat)}$ v I_C



$V_{BE(on)}$ v I_C



Safe Operating Area

ABSOLUTE MAXIMUM RATINGS

PARAMETER	MIN	MAX
Collector-Base Voltage		-4
Collector-Emitter Voltage		-4
Emitter-Base Voltage		-5
Continuous Collector Current		200
Power Dissipation		1
Operating and Storage Temperature Range		-55 to +175

ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN	MAX
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-4	
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-4	
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5	
Collector Cut-Off Current	I_{CBO}		10
Collector Cut-Off Current	I_{CES}		10
Emitter Cut-Off Current	I_{EBO}		15
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		50
Base-Emitter Saturation Voltage	$V_{BE(sat)}$		
Base-Emitter Turn On Voltage	$V_{BE(on)}$		
Static Forward Current Transfer Ratio	h_{FE}		
Transition Frequency	f_T		
Collector-Base Breakdown Voltage	C_{obo}		
Switching times	t_{on} t_{off}		

* Measured under pulsed conditions. Puls

ZTX558

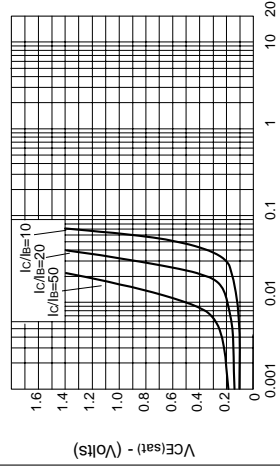
PNP SILICON PLANAR ME HIGH VOLTAGE TRANSIS

ISSUE 1 – APRIL 94

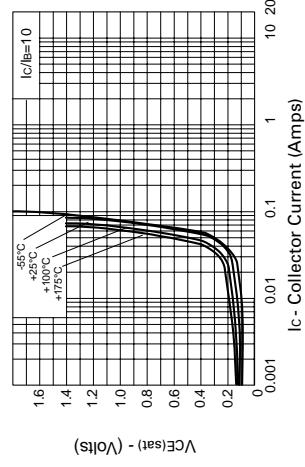
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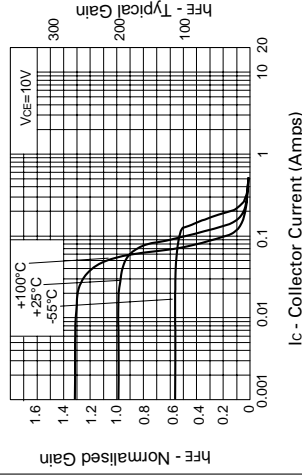
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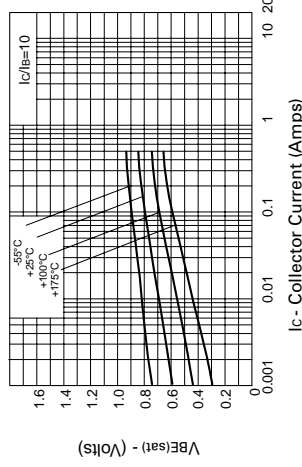
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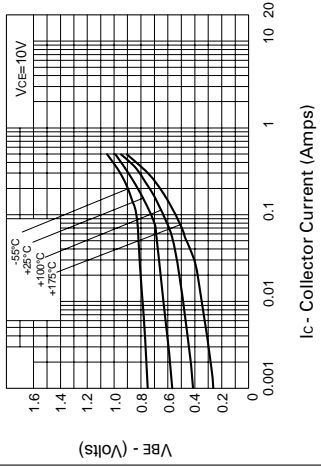
$V_{CE(sat)}$ v I_C



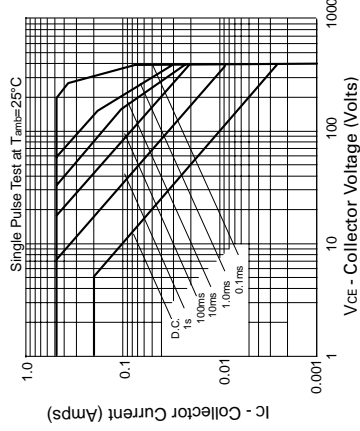
h_{FE} v I_C



$V_{BE(sat)}$ v I_C



$V_{BE(on)}$ v I_C



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