

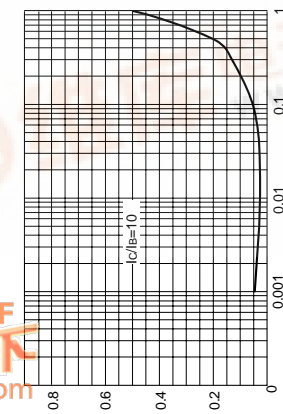
ZTX754
ZTX755

PNP SILICON PLANAR
MEDIUM POWER TRANSISTORS

ZTX754
ZTX755

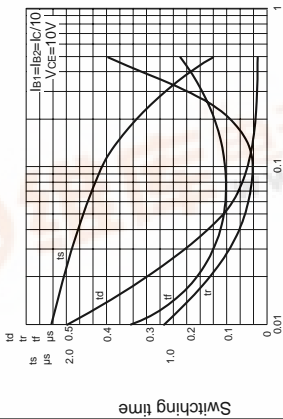
ISSUE 2 - JULY 94

TYPICAL CHARACTERISTICS



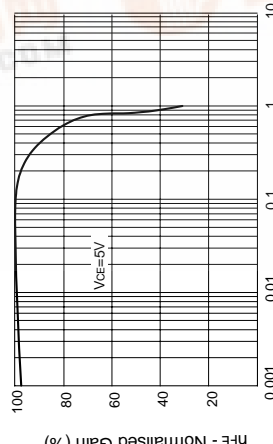
IC - Collector Current (Amps)

VCE(sat) v IC



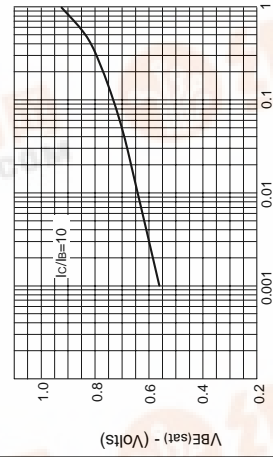
IC - Collector Current (Amps)

Switching Speeds



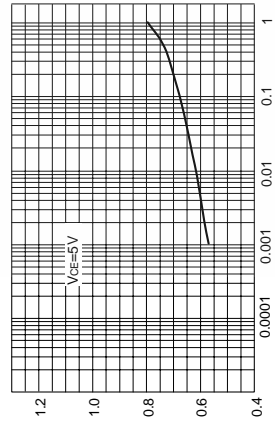
IC - Collector Current (Amps)

hFE v IC



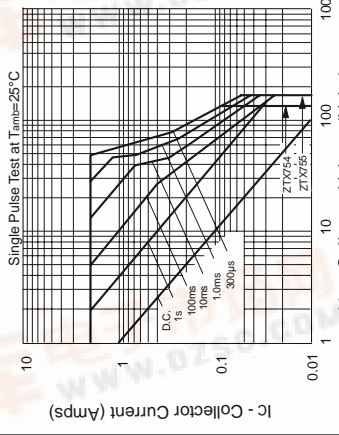
IC - Collector Current (Amps)

VBE(sat) v IC



IC - Collector Current (Amps)

VBE(on) v IC

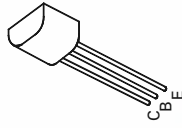


IC - Collector Current (Amps)

Safe Operating Area

FEATURES

- * 150 Volt V_{CEO}
- * 1 Amp continuous current
- * Low saturation voltage
- * $P_{tot} = 1$ Watt



E-Line
TO92 Compatible

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	ZTX754	ZTX755	UNIT
Collector-Base Voltage	V_{CBO}	-125	-150	V
Collector-Emitter Voltage	V_{CEO}	-125	-150	V
Emitter-Base Voltage	V_{EBO}	-5	-5	V
Peak Pulse Current	I_{CM}	-2	-2	A
Continuous Collector Current	I_C	-1	-1	A
Power Dissipation at $T_{amb}=25^\circ\text{C}$	P_{tot}	1	1	W
Operating and Storage Temperature Range	$T_j; T_{stg}$	-55 to +200		$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^\circ\text{C}$ unless otherwise stated).

PARAMETER	SYMBOL	ZTX754		ZTX755		UNIT	CONDITIONS.
		MIN.	MAX.	MIN.	MAX.		
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-125		-150		V	$I_C = 100\mu\text{A}, I_E = 0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-125		-150		V	$I_C = 10\text{mA}, I_B = 0^*$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5		-5		V	$I_E = 100\mu\text{A}, I_C = 0$
Collector Cut-Off Current	I_{CBO}		-100		-100	nA	$V_{CB} = 100\text{V}, I_E = 0$ $V_{CB} = 125\text{V}, I_E = 0$
Emitter Cut-Off Current	I_{EBO}		-100		-100	nA	$V_{EB} = 3\text{V}, I_C = 0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	-0.5	-0.5	-0.5	-0.5	V	$I_C = 500\text{mA}, I_E = 50\text{mA}^*$ $I_C = 1\text{A}, I_B = 200\text{mA}^*$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	-1.1	-1.1	-1.1	-1.1	V	$I_C = 500\text{mA}, I_B = 50\text{mA}^*$
Base-Emitter Turn-On Voltage	$V_{BE(on)}$	-1.0	-1.0	-1.0	-1.0	V	$I_C = 500\text{mA}, V_{CE} = 5\text{V}^*$
Static Forward Current Transfer Ratio	h_{FE}	50	50	50	50		$I_C = 10\text{mA}, V_{CE} = 5\text{V}$ $I_C = 500\text{mA}, V_{CE} = 5\text{V}^*$ $I_C = 1\text{A}, V_{CE} = 5\text{V}^*$
Transition Frequency	f_T	30	30	30	30	MHz	$I_C = 10\text{mA}, V_{CE} = 20\text{V}$ $f = 20\text{MHz}$
Output Capacitance	C_{ob0}	20	20	20	20	pF	$V_{CB} = 20\text{V}, f = 1\text{MHz}$

查询ZTX754供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

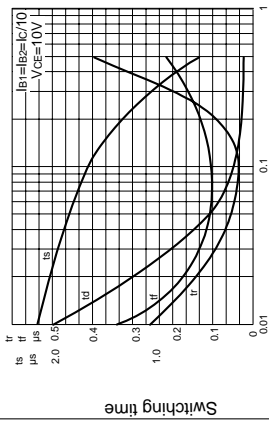
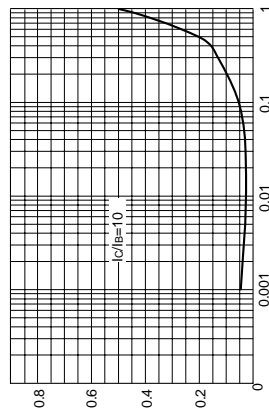
ZTX754 ZTX755

PNP SILICON PLANAR MEDIUM POWER TRANSISTORS

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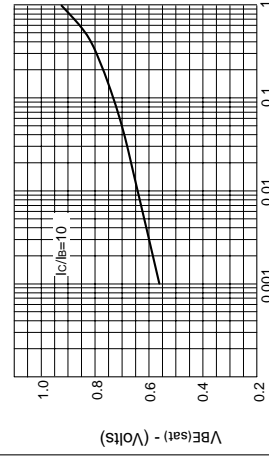
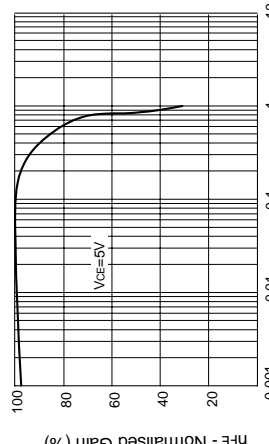


$V_{CE(sat)}$ v I_C

I_C - Collector Current (Amps)

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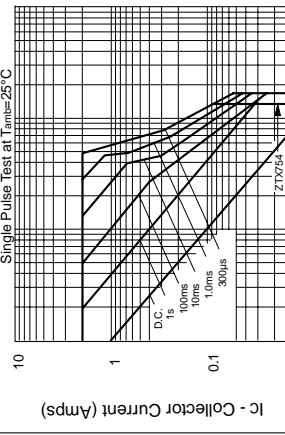
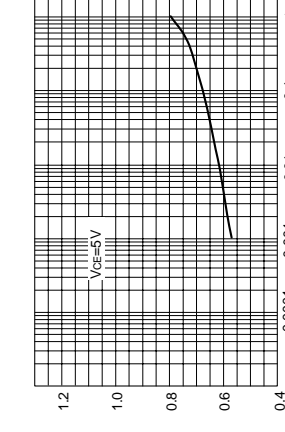
Switching Speeds



h_{FE} v I_C

I_C - Collector Current (Amps)

$V_{BE(sat)}$ v I_C



$V_{BE(on)}$ v I_C

I_C - Collector Current (Amps)

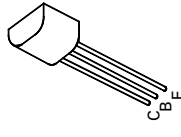
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Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-125		-150		V	$I_C=10mA, I_B=0^*$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5		-5		V	$I_E=100\mu A, I_C=0$
Collector Cut-Off Current	I_{CBO}		-100		-100	nA	$V_{CB}=100V, I_E=0$ $V_{CE}=125V, I_E=0$
Emitter Cut-Off Current	I_{EBO}		-100		-100	nA	$V_{EB}=3V, I_C=0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	-0.5	-0.5	-0.5	-0.5	V	$I_C=500mA, I_E=50mA^*$ $I_C=1A, I_B=200mA^*$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	-1.1	-1.1	-1.1	-1.1	V	$I_C=500mA, I_B=50mA^*$
Base-Emitter Turn-On Voltage	$V_{BE(on)}$	-1.0	-1.0	-1.0	-1.0	V	$I_C=500mA, V_{CE}=5V^*$
Static Forward Current Transfer Ratio	h_{FE}	50	50	50	50		$I_C=10mA, V_{CE}=5V$ $I_C=500mA, V_{CE}=5V^*$
Transition Frequency	f_T	30	30	30	30	MHz	$I_C=10mA, V_{CE}=20V$ $f=20MHz$
Output Capacitance	C_{ob0}	20	20	20	20	pF	$V_{CB}=20V, f=1MHz$



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