

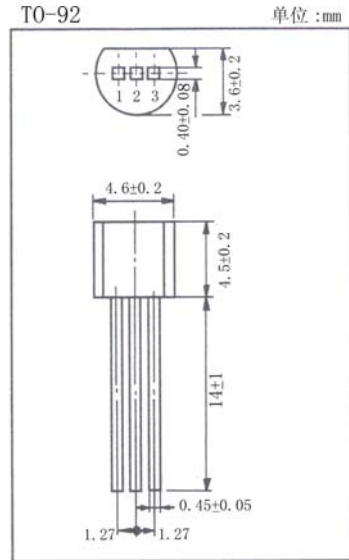


用途:用于中功率放大。/Purpose: Medium power amplifier applications.

特点:高集电极直流电流和集电极耗散功率。/Features: High  $P_c$  and  $I_c$ .

极限参数/Absolute maximum ratings( $T_a=25^\circ\text{C}$ )

参数符号 Symbol	数值 Rating	单位 Unit
$V_{CB0}$	60	V
$V_{CE0}$	45	V
$V_{EB0}$	5.0	V
$I_c$	1.0	A
$I_{CM}$	2.0	A
$P_c$	1.0	W
$T_j$	150	$^\circ\text{C}$
$T_{stg}$	-55~150	$^\circ\text{C}$



引脚: 1. E 2. B 3. C

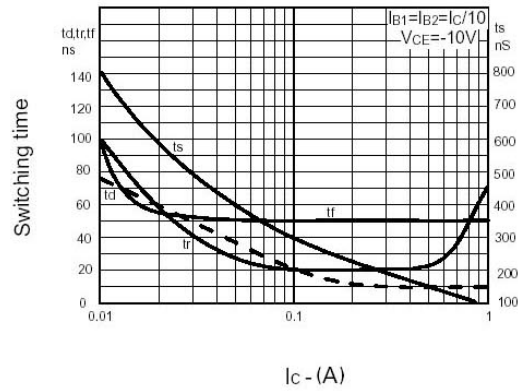
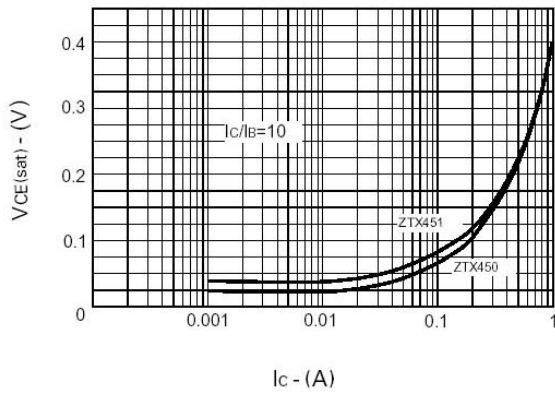
电性能参数/Electrical characteristics( $T_a=25^\circ\text{C}$ )

参数符号 Symbol	测试条件 Test condition	数值 Rating			单位 Unit
		最小值 Min	典型值 Typ	最大值 Max	
$V_{CB0}$	$I_c=-100\ \mu\text{A}$	60			
$V_{CE0}$	$I_c=10\text{mA}$	45			
$V_{EB0}$	$I_E=100\ \mu\text{A}$	5.0			
$I_{CB0}$	$V_{CB}=45\text{V}$			0.1	$\mu\text{A}$
$I_{EB0}$	$V_{EB}=4.0\text{V}$			0.1	$\mu\text{A}$
$h_{FE(1)}$	$V_{CE}=10\text{V}$ $I_c=150\text{mA}$	100		300	
$h_{FE(2)}$	$V_{CE}=10\text{V}$ $I_c=1.0\text{A}$	15			
$V_{CE(sat)}$	$I_c=150\text{mA}$ $I_B=15\text{mA}$			0.25	V
$V_{BE(sat)}$	$I_c=150\text{mA}$ $I_B=15\text{mA}$			1.1	V
$f_T$	$V_{CE}=10\text{V}$ $I_c=50\text{mA}$ $f=100\text{MHz}$	150			MHz
$C_{ob}$	$V_{CB}=10\text{V}$ $f=1.0\text{MHz}$			15	pF

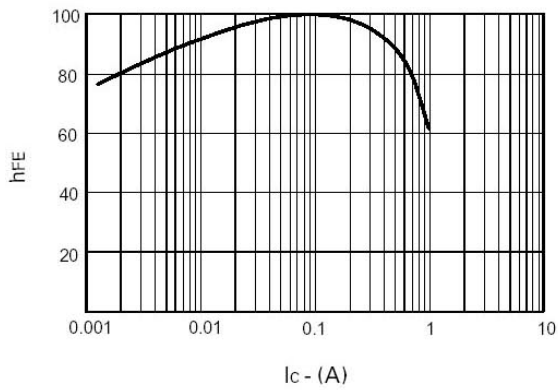


# ZTX450 (3DA450)

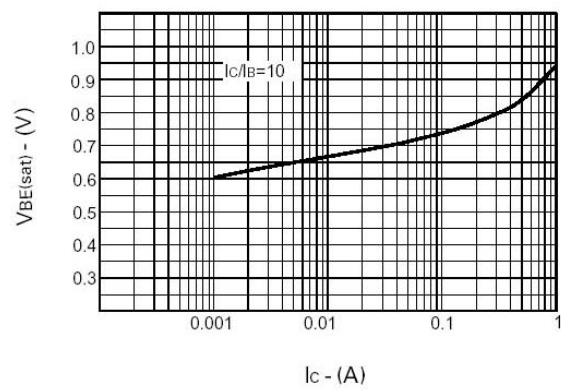
### VCE(sat) — IC



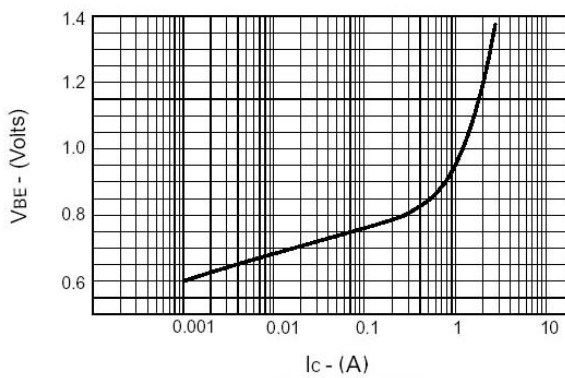
### hFE — IC



### VBE(sat) — IC



### VBE(on) — IC



### IC — VCE

