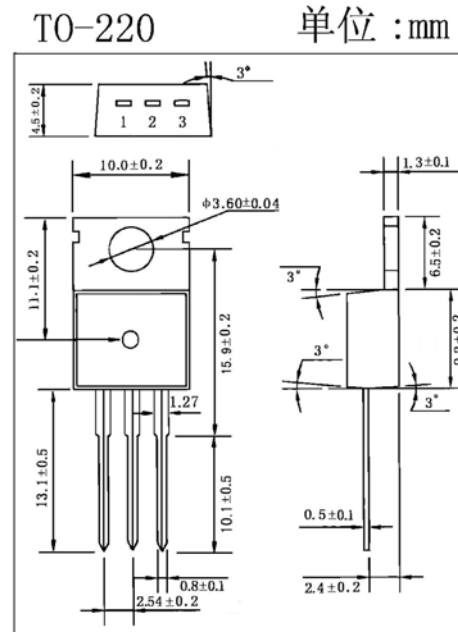


用途:用于高频电子照明电路、开关电源等。

Purpose: High frequency electronic lighting, switching power supply applications.

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_{CBO}	900	V
V_{CEO}	400	V
V_{EBO}	12	V
I_{C}	4	A
I_{B}	2	A
$P_{\text{C}}(T_a=25^\circ\text{C})$	2	W
$P_{\text{C}}(T_c=25^\circ\text{C})$	70	W
T_{j}	150	$^\circ\text{C}$
T_{stg}	-55~150	$^\circ\text{C}$

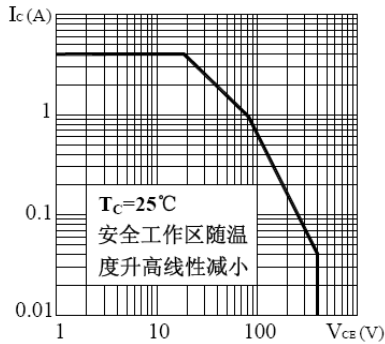


引脚: 1 B 2 C 3 E

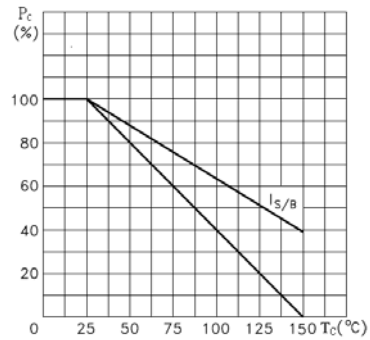
电性能参数/Electrical characteristics($T_a=25^\circ\text{C}$)

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_{CBO}	$I_{\text{C}}=1\text{mA}$	$I_{\text{E}}=0$	900			V
V_{CEO}	$I_{\text{C}}=10\text{mA}$	$I_{\text{B}}=0$	400			V
V_{EBO}	$I_{\text{E}}=1\text{mA}$	$I_{\text{C}}=0$	12			V
I_{CBO}	$V_{\text{CB}}=900\text{V}$	$I_{\text{E}}=0$			0.1	mA
I_{CEO}	$V_{\text{CE}}=400\text{V}$	$I_{\text{B}}=0$			0.1	mA
I_{EBO}	$V_{\text{EB}}=12\text{V}$	$I_{\text{C}}=0$			0.1	mA
$h_{\text{FE}}(1)$	$V_{\text{CE}}=5.0\text{V}$	$I_{\text{C}}=0.25\text{A}$	35		70	
$h_{\text{FE}}(2)$	$V_{\text{CE}}=5.0\text{V}$	$I_{\text{C}}=2.0\text{A}$	10		35	
$V_{\text{CE(sat)}}(1)$	$I_{\text{C}}=1.0\text{A}$	$I_{\text{B}}=0.2\text{A}$			0.5	V
$V_{\text{CE(sat)}}(2)$	$I_{\text{C}}=2.0\text{A}$	$I_{\text{B}}=0.4\text{A}$			1.0	V
$V_{\text{CE(sat)}}(3)$	$I_{\text{C}}=4.0\text{A}$	$I_{\text{B}}=0.8\text{A}$			1.5	V
$V_{\text{BE(sat)}}$	$I_{\text{C}}=2.0\text{A}$	$I_{\text{B}}=0.4\text{A}$			1.5	V
t_{f}	$V_{\text{CE}}=5\text{V}$	$I_{\text{C}}=0.5\text{A}$	(UI9600)		0.8	μs
t_{s}				2	6	μs

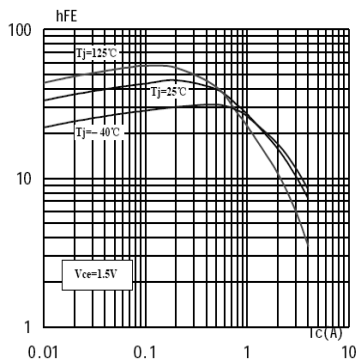
SOA (DC)



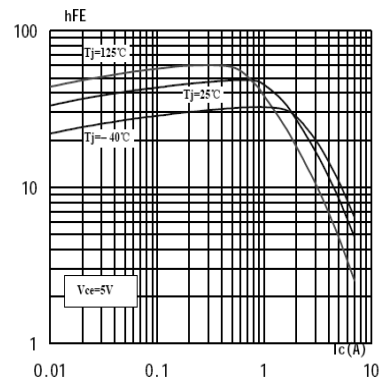
$P_c - T_c$



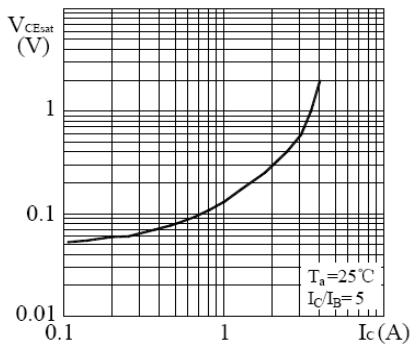
$h_{FE} - I_c$



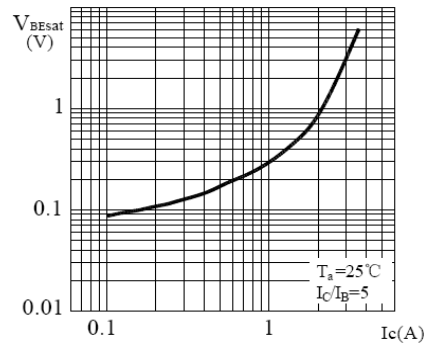
$h_{FE} - I_c$



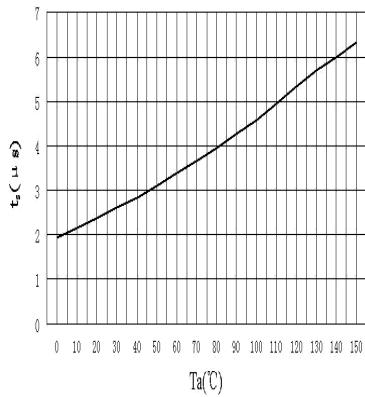
$V_{ce(sat)} - I_c$



$V_{be(sat)} - I_c$



$t_s - T_a$



$h_{FE} - T_a$

