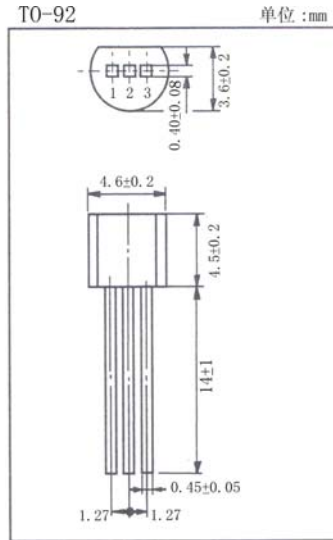


用途:用于高压控制电路。/Purpose: High voltage control circuit application.

**极限参数/Absolute maximum ratings(Ta=25℃)**

参数符号 Symbol	数值 Rating	单位 Unit
$V_{CB0}$	-350	V
$V_{CE0}$	-350	V
$V_{EB0}$	-5.0	V
$I_C$	-500	mA
$I_B$	-250	mA
$P_C$	625	mW
$T_j$	150	℃
$T_{stg}$	-55~150	℃



引脚: 1. E 2. B 3. C

**电性能参数/Electrical characteristics(Ta=25℃)**

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	
$V_{CB0}$	$I_C = -100 \mu A$ $I_E = 0$	-350			V
$V_{CE0}$	$I_C = -1.0 mA$ $I_B = 0$	-350			V
$V_{EB0}$	$I_E = -10 \mu A$ $I_C = 0$	-5.0			V
$I_{CB0}$	$V_{CB} = -250V$ $I_E = 0$			-0.05	$\mu A$
$I_{EB0}$	$V_{EB} = -4.0V$ $I_C = 0$			-0.05	$\mu A$
$h_{FE(1)}$	$V_{CE} = -10V$ $I_C = -30mA$	30		200	
$h_{FE(2)}$	$V_{CE} = -10V$ $I_C = -100mA$	15			
$h_{FE(3)}$	$V_{CE} = -10V$ $I_C = -1.0mA$	20			
$V_{CE(sat)1}$	$I_C = -10mA$ $I_B = -1.0mA$			-0.3	V
$V_{CE(sat)2}$	$I_C = -30mA$ $I_B = -3.0mA$			-0.5	V
$V_{BE(sat)1}$	$I_C = -10mA$ $I_B = -1.0mA$			-0.75	V
$V_{BE(sat)2}$	$I_C = -30mA$ $I_B = -3.0mA$			-0.9	V
$V_{BE(on)}$	$V_{CE} = -10V$ $I_C = -100mA$			-2.0	V
$f_T$	$V_{CE} = -20V$ $I_C = -10mA$ $f = 20MHz$	40		200	MHz
$C_{ob}$	$V_{CB} = -20V$ $I_E = 0$ $f = 1MHz$			6.0	pF
$t_{on}$	$V_{BE(off)} = -2.0V$ $V_{CC} = -100V$ $I_C = -50mA$ $I_{B1} = -10mA$			200	ns
$t_{off}$	$V_{CC} = -100V$ $I_C = -50mA$ $I_{B1} = I_{B2} = -10mA$			3.5	ns



2N6520 (3DG6520)

