



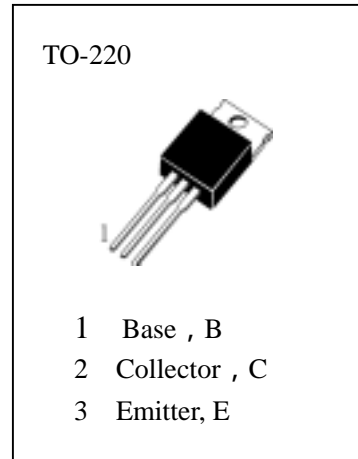
HE2955

GENERAL PURPOSE AND SWITCHING APPLICATIONS

DC CURRENT GAIN SPECIFIED TO 10 AMPERES

ABSOLUTE MAXIMUM RATINGS ($T_a=25$)

T_{stg} —Storage Temperature.....	-55~150
T_j —Junction Temperature.....	150
P_C —Collector Dissipation($T_c=25$).....	-75W
P_C —Collector Dissipation($T_A=25$).....	0.6W
V_{CBO} —Collector-Base Voltage.....	-70V
V_{CEO} —Collector-Emitter Voltage.....	-60V
V_{EBO} —Emitter-Base Voltage.....	-5V
I_C —Collector Current(DC).....	-10A
I_B —Base Current.....	-6A



电参数 ($T_a=25$)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV_{CEO}	Collector-Emitter Sustaining Voltage	-60			V	$I_C=-10mA, I_B=0$
I_{CEO}	Collector Cutoff Current			-0.7	mA	$V_{CE}=-30V, I_B=0$
I_{EBO}	Emitter-Base Cutoff Current			-5	mA	$V_{EB}=-5V, I_C=0$
$H_{FE} (1)$	DC Current Gain	20		100		$V_{CE}=-4V, I_C=-4A$
$H_{FE} (2)$		5				$V_{CE}=-4V, I_C=-10A$
$V_{CE(sat1)}$	Collector- Emitter Saturation Voltage			-1.1	V	$I_C=-4A, I_B=-400mA$
$V_{CE(sat2)}$				-8	V	$I_C=-10A, I_B=-3.3mA$
$V_{BE(on)}$	Base- Emitter Saturation Voltage			-1.8	V	$V_{CE}=-4V, I_C=-4A$
f_T	Current Gain-Bandwidth Product	2.0				$V_{CE}=-10V, I_C=-500mA$ $f=500KHz$