



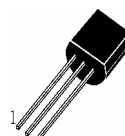
STROBE FLASH APPLICATIONS

MEDIUM POWER AMPLIFIER APPLICATIONS

ABSOLUTE MAXIMUM RATINGS ($T_a=25$)

T_{stg}	Storage Temperature.....	-55~150
T_j	Junction Temperature.....	150
P_C	Collector Dissipation.....	750mW
V_{CBO}	Collector-Base Voltage.....	-20V
V_{CEO}	Collector-Emitter Voltage.....	-10V
V_{EBO}	Emitter-Base Voltage.....	-6V
I_C	Collector Current.....	-2A
I_{CP}	Collector Current (Pulse)	-5A

TO-92



- 1—Emitter , E
2—Collector , C
3—Base , B

ELECTRICAL CHARACTERISTICS ($T_a=25$)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV_{CBO}	Collector-Base Breakdown Voltage	-20			V	$I_C=-100\mu A$, $I_E=0$
BV_{CEO}	Collector-Emitter Breakdown Voltage	-10			V	$I_C=-10mA$, $I_B=0$
BV_{EBO}	Emitter-Base Breakdown Voltage	-6			V	$I_E=-1mA$, $I_C=0$
$H_{FE(1)}$	DC Current Gain	140		600		$V_{CE}=-1V$, $I_C=-500mA$
$H_{FE(2)}$		70				$V_{CE}=-1V$, $I_C=-2A$
$V_{CE(sat)}$	Collector- Emitter Saturation Voltage			-0.5	V	$I_C=-2A$, $I_B=-50mA$
V_{BE}	Base-Emitter Voltage			-1.5	V	$V_{CE}=-1V$, $I_C=-2A$
I_{CBO}	Collector Cut-off Current			-100	nA	$V_{CB}=-20V$, $I_E=0$
I_{CEO}	Collector Cut-off Current			-100	nA	$V_{CE}=-10V$, $I_B=0$
I_{EBO}	Emitter Cut-off Current			-100	nA	$V_{EB}=-6V$, $I_C=0$
f_T	Current Gain-Bandwidth Product		140		MHz	$V_{CE}=-1V$, $I_C=-0.5A$
C_{ob}	Output Capacitance		50		pF	$V_{CB}=-10V$, $I_E=0$, $f=1MHz$

h_{FE} Classification

Y

GR

BL

140—280

200—400

300—600

