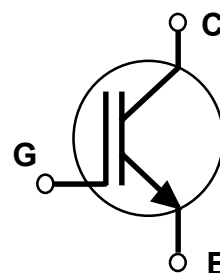
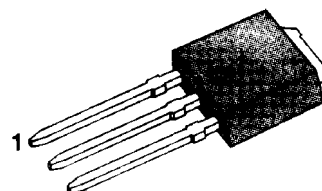


FEATURES

- * High Input Impedance
- * High Peak Current Capability(170A)
- * Easy Drive by Gate Voltage

APPLICATIONS

- * STROBE FLASH

I² - PAK**ABSOLUTE MAXIMUM RATINGS**

Symbol	Characteristics		Rating	Unit
V _{CES}	Collector-Emitter Voltage		400	V
V _{GE}	Gate - Emitter Voltage		±25	V
I _C	Continuous Collector Current	T _C = 25℃	25	A
I _{CM}	Pulsed Collector Current(1mS)		170	A
P _D	Maximum Power Dissipation	T _C = 25℃	75	W
T _j	Operating Junction Temperature		-55 ~ 150	℃
T _{stg}	Storage Temperature Range			
T _L	Maximum Lead Temp. For Soldering Purposes, ¹ / ₈ ” from case for 5 seconds		300	℃

ELECTRICAL CHARACTERISTICS ($T_C=25^{\circ}\text{C}$)

Symbol	Characteristics	Test Conditions	Min	Typ	Max	Units
BV_{CES}	C - E Breakdown Voltage	$V_{GE} = 0V$, $I_C = 250\mu A$	400	-	-	V
$V_{GE(th)}$	G - E threshold voltage	$I_C = 10mA$, $V_{CE} = 10V$	3.0	-	6.0	V
I_{CES}	Collector cutoff Current	$V_{CE} = 400V$, $V_{GE} = 0V$	-	-	10	μA
I_{GES}	G - E leakage Current	$V_{GE} = V_{GES}$, $V_{CE} = 0V$	-	-	100	nA
$V_{CE(sat)}$	Collector to Emitter saturation voltage	$I_C = 170A$, $V_{GE} = 20V$ $T_j = 25^{\circ}\text{C}$	-	5	8	V
Cies	Input capacitance	$V_{GE} = 0V$, $f = 1MHz$, $V_{CE} = 10V$	-	-	3.0	nF
ton	Turn on time	$V_{CC} = 300V$, Load = 12Ω $R_G = 51\Omega$, $V_{GE} = 20V$ R- Load switching time operation	-	-	500	ns
tr	Turn on rise time		-	-	500	ns
toff	Turn off time		-	-	6000	ns
tf	Turn off fall time		-	-	7000	ns

THERMAL RESISTANCE

Symbol	Characteristics	Min	Typ	Max	Units
$R_{\theta JC}$	Junction-to-Case	-	-	1.2	$^{\circ}\text{C/W}$
$R_{\theta JA}$	Junction-to-Ambient	-	-	40	$^{\circ}\text{C/W}$
$R_{\theta CS}$	Case-to-Sink	-	0.24	-	$^{\circ}\text{C/W}$

