

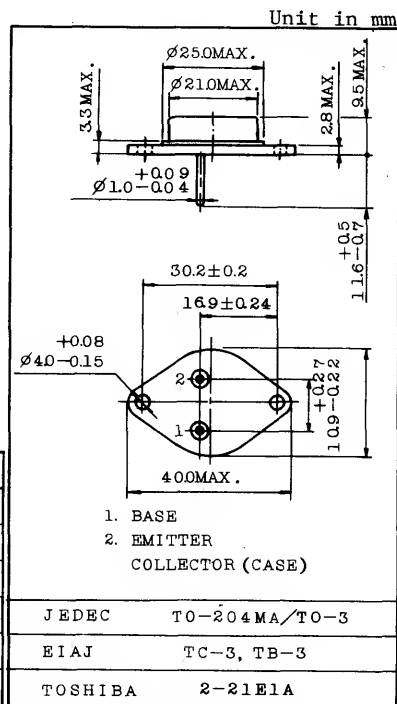
HIGH VOLTAGE SWITCHING APPLICATIONS.

FEATURES:

- High Voltage : $V_{CE0} = -400V$
 - Low Saturation Voltage : $V_{CE(sat)} = -1.5V$ (Max.)
- ($I_C = -1A$, $I_B = -0.2A$)

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-400	V
Collector-Emitter Voltage	V_{CEO}	-400	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-3	A
Base Current	I_B	-1	A
Collector Power Dissipation ($T_C=25^\circ\text{C}$)	P_C	50	W
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-65~150	$^\circ\text{C}$



Mounting Kit No. AC73
Weight : 15.8g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		I_{CBO}	$V_{CB}=-300V, I_E=0$	-	-	-100	μA
Emitter Cut-off Current		I_{EBO}	$V_{EB}=-5V, I_C=0$	-	-	-1	mA
Collector-Emitter Breakdown Voltage		$V_{(BR)CEO}$	$I_C=-10mA, I_B=0$	-400	-	-	V
DC Current Gain		h_{FE}	$V_{CE}=-5V, I_C=-0.5A$	20	-	300	
Collector-Emitter Saturation Voltage		$V_{CE(sat)}$	$I_C=-1A, I_B=-0.2A$	-	-	-1.5	V
Base-Emitter Saturation Voltage		$V_{BE(sat)}$	$I_C=-1A, I_B=-0.2A$	-	-	-2.0	V
Collector Output Capacitance		C_{ob}	$V_{CB}=-50V, I_E=0, f=1MHz$	-	100	-	pF
Switching Time	Turn-on Time	t_{on}	INPUT OUTPUT DUTY CYCLE $\leq 2\%$ $V_{BB}=3V$ $V_{CC}=-25V$	-	1.0	-	μs
	Storage Time	t_{stg}		-	2.0	-	
	Fall Time	t_f		-	1.0	-	

