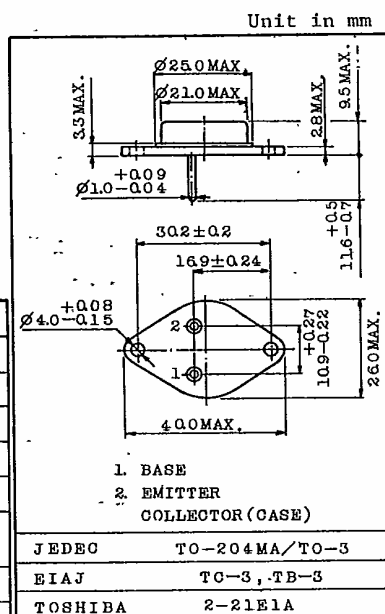


FEATURES:

- MAXIMUM RATINGS: ($T_a=25^{\circ}\text{C}$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	VCBO	900	V
Collector-Emitter Voltage	VCEO	800	V
Emitter-Base Voltage	VEBO	7	V
Collector Current	IC	5	A
Base Current	IB	3	A
Collector Power Dissipation (Tc=25°C)	PC	100	W
Junction Temperature	Tj	150	°C
Storage Temperature Range	Tstg	-55 ~ 150	°C



MOUNTING KIT No. AC100
Weight : 16g

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		ICBO	V _{CB} =800V, I _E =0	-	-	100	μA
Emitter Cut-off Current		IEBO	VEB=7V, I _C =0	-	-	1	mA
Collector-Base Breakdown Voltage		V _(BR) CBO	I _C =1mA, I _E =0	900	-	-	V
Collector-Emitter Breakdown Voltage		V _(BR) CEO	I _C =10mA, I _B =0	800	-	-	V
DC Current Gain	hFE(1)	V _{CE} =5V, I _C =10mA (Note)	10	-	-	1.0	V
	hFE(2)	V _{CE} =5V, I _C =3A (Note)	10	-	-		
Collector-Emitter Saturation Voltage		V _{CE(sat)}	I _C =3A, I _B =0.6A (Note)	-	-	1.0	V
Base-Emitter Saturation Voltage		V _{BE(sat)}	I _C =3A, I _B =0.6A (Note)	-	-	1.5	V
Switching Time	Rise Time	t _r	$V_{CC}=400V$ I_{B1} (20μs pulse) I_{B2} I_{C} I_{E} $I_{O}=3A$ $I_{B1}=0.3A, I_{B2}=-0.8A$ $DUTY\ CYCLE \leq 1\%$	-	-	1.0	μs
	Storage Time	t _{stg}		-	-	3.5	
	Fall Time	t _f		-	-	1.0	

Note : Pulse Test : Pulse Width $\leq 300\mu s$, Duty Cycle $\leq 2\%$

