

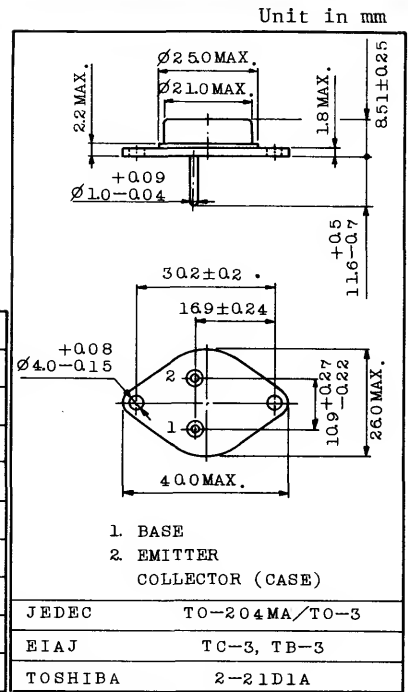
POWER AMPLIFIER, SWITCHING CIRCUIT AND REGULATOR APPLICATIONS.

FEATURES:

- . High Gain and Excellent h_{FE} Linearity:
 $h_{FE}=15$ (Min.) @ $V_{CE}=-2V, I_C=-3A$
- . Low Saturation Voltage:
 $V_{CE(sat)}=-1.0V$ (Max.) @ $I_C=-4A, I_B=-0.4A$

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

CHARACTERISTIC		SYMBOL	RATING	UNIT
※	Collector-Base Voltage	V_{CBO}	-60	V
※	Collector-Emitter Voltage	V_{CEO}	-60	V
※	Emitter-Base Voltage	V_{EBO}	-7	V
※	Collector Current	DC	I_C	-10 A
		Peak	I_{CM}	-15 A
※	Base Current	I_B	-4	A
※	Collector Power Dissipation ($T_c=25^{\circ}C$) Derate Linearly above $25^{\circ}C$	P_C	150	W
			0.86	W/ $^{\circ}C$
※	Junction Temperature	T_j	200	$^{\circ}C$
※	Storage Temperature Range	T_{stg}	-65 ~ 200	$^{\circ}C$



Weight : 12.6g

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

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
※	Collector Cut-off Current	I_{CEX}	$V_{CE}=-60V, V_{BE}=1.5V$	-	-	-1	mA
※	Collector Cut-off Current	I_{CEX}	$V_{CE}=-60V, V_{BE}=1.5V$ $T_c=150^{\circ}C$	-	-	-5	mA
※	Collector Cut-off Current	I_{CEO}	$V_{CE}=-30V, I_B=0$	-	-	-10	mA
※	Emitter Cut-off Current	I_{EBO}	$V_{EB}=-7V, I_C=0$	-	-	-5	mA
※	Collector-Emitter Sustaining Voltage	$V_{CEO(SUS)}$	$I_C=-0.2A, I_B=0$	-60	-	-	V
※	DC Current Gain	h_{FE}	$V_{CE}=-2V, I_C=-1A$	25	-	90	
			$V_{CE}=-2V, I_C=-3A$	15	-	-	
※	Collector-Emitter Voltage	$V_{CE(sat)}$	$I_C=-4A, I_B=-0.4A$	-	-	-1.0	V
	Base-Emitter Voltage	$V_{BE(sat)}$	$I_C=-4A, I_B=-0.4A$	-	-	-2.0	V
※	Transition Frequency	f_T	$V_{CE}=-10V, I_C=-0.5A, f=1MHz$	4	-	-	MHz
※	Collector Output Capacitance	C_{ob}	$V_{CB}=-10V, I_E=0, f=1MHz$	-	-	500	pF

※In accordance with JEDEC registration data.

※※The sustaining voltage $V_{CEO(SUS)}$ MUST NOT be measured on a curve tracer.

