

AUDIO FREQUENCY GENERAL PURPOSE AMPLIFIER
APPLICATIONS.

- Small Package (Dual Type)
- High Voltage and High Current
: $V_{CE0}=50V$, $I_C=150mA$ (Max.)
- High h_{FE} : $h_{FE}=120\sim400$
- Excellent h_{FE} Linearity
: $h_{FE}(I_C=0.1mA)/h_{FE}(I_C=2mA)=0.95$ (Typ.)

MAXIMUM RATINGS ($T_a=25^\circ C$) (Q1, Q2 COMMON)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	60	V
Collector-Emitter Voltage	V_{CEO}	50	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current	I_C	150	mA
Base Current	I_B	30	mA
Collector Power Dissipation	P_C^*	300	mW
Junction Temperature	T_j	125	$^\circ C$
Storage Temperature Range	T_{stg}	$-55\sim125$	$^\circ C$

* Total Rating

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$) (Q1, Q2 COMMON)

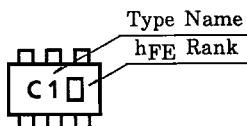
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=60V$, $I_E=0$	—	—	0.1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=5V$, $I_C=0$	—	—	0.1	μA
DC Current Gain	$h_{FE}(\text{Note})$	$V_{CE}=6V$, $I_C=2mA$	120	—	400	
Collector-Emitter Saturation Voltage	$V_{CE}(\text{sat})$	$I_C=100mA$, $I_B=10mA$	—	0.1	0.25	V
Transition Frequency	f_T	$V_{CE}=10V$, $I_C=1mA$	80	—	—	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V$, $I_E=0$, $f=1MHz$	—	2	3.5	pF

Note : h_{FE} Classification

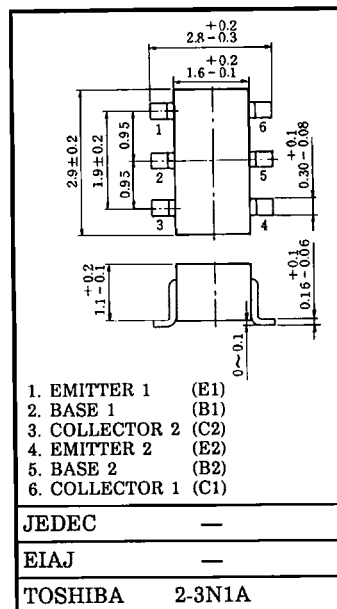
Y (Y) : 120~240, GR (G) : 200~400

() Marking Symbol

MARKING

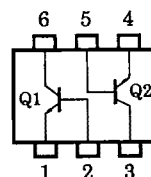


Unit in mm

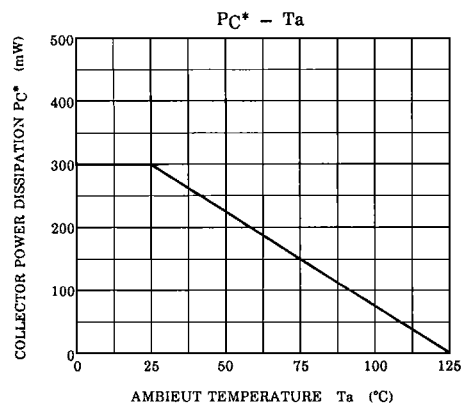
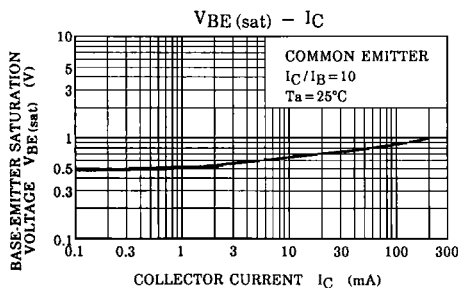
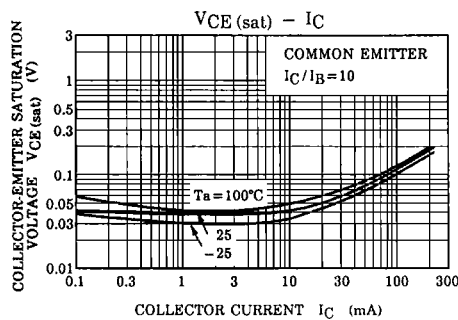
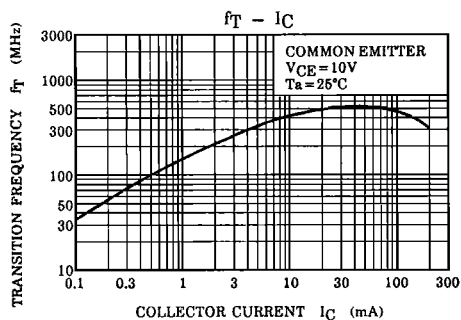
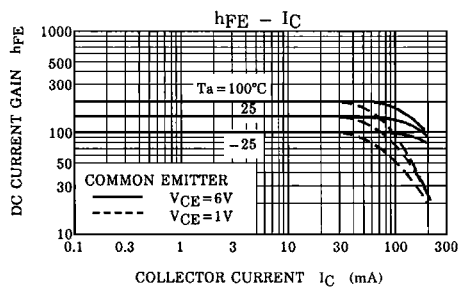
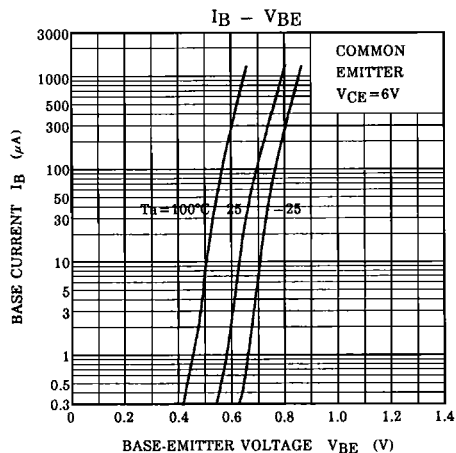
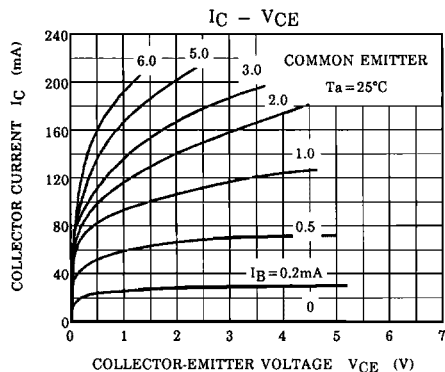


Weight : 0.015g

EQUIVALENT CIRCUIT (TOP VIEW)



(Q1, Q2 COMMON)



* : Total Rating