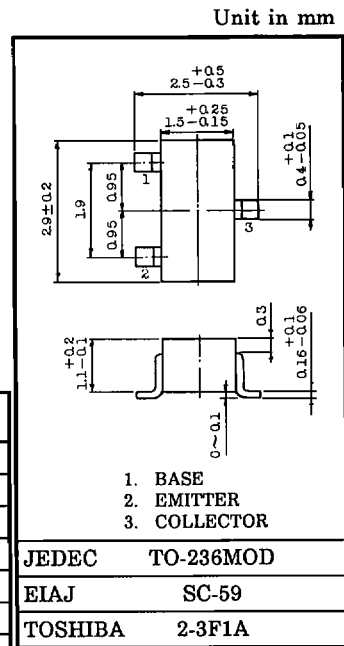


AUDIO FREQUENCY GENERAL PURPOSE AMPLIFIER APPLICATIONS.

- High Voltage and High Current  
:  $V_{CE0} = -50V$ ,  $I_C = -150mA$  (Max.)
- Excellent  $h_{FE}$  Linearity  
:  $h_{FE}(I_C = -0.1mA) / h_{FE}(I_C = -2mA) = 0.95$  (Typ.)
- High  $h_{FE}$  :  $h_{FE} = 70 \sim 400$
- Low Noise :  $NF = 1dB$  (Typ.),  $10dB$  (Max.)
- Complementary to 2SC2712
- Small Package

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CB0}$	-50	V
Collector-Emitter Voltage	$V_{CE0}$	-50	V
Emitter-Base Voltage	$V_{EB0}$	-5	V
Collector Current	$I_C$	-150	mA
Base Current	$I_B$	-30	mA
Collector Power Dissipation	$P_C$	150	mW
Junction Temperature	$T_j$	125	$^\circ C$
Storage Temperature Range	$T_{stg}$	-55~125	$^\circ C$



Weight : 0.012g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CB0}$	$V_{CB} = -50V$ , $I_E = 0$	—	—	-0.1	$\mu A$
Emitter Cut-off Current	$I_{EB0}$	$V_{EB} = -5V$ , $I_C = 0$	—	—	-0.1	$\mu A$
DC Current Gain	$h_{FE}$ (Note)	$V_{CE} = -6V$ , $I_C = -2mA$	70	—	400	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -100mA$ , $I_B = -10mA$	—	-0.1	-0.3	V
Transition Frequency	$f_T$	$V_{CE} = -10V$ , $I_C = -1mA$	80	—	—	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -10V$ , $I_E = 0$ , $f = 1MHz$	—	4	7	pF
Noise Figure	NF	$V_{CE} = -6V$ , $I_C = 0.1mA$ , $f = 1kHz$ , $R_g = 10k\Omega$	—	1.0	10	dB

Note :  $h_{FE}$  Classification O(O): 70~140, Y(Y): 120~240,  
GR(G): 200~400 ( ) Marking Symbol

MARKING

