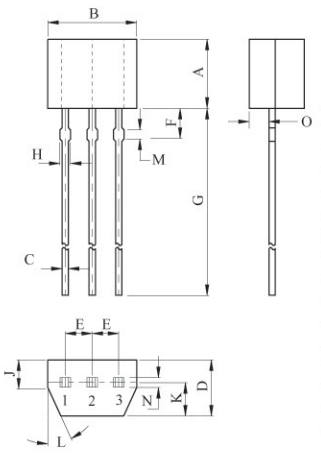
AUDIO MUTING APPLICATION.

FEATURES

- High Emitter-Base Voltage : V_{EBO}=12V(Min.).
- High Reverse h_{FE}
  : Reverse h_{FE}=20(Min.) (V_{CE}=2V, I_C=4mA).
- Low on Resistance :R_{ON}=0.6Ω(Typ.) (I_B=1mA).



DIM	MILLIMETERS
A	3.20 MAX
B	4.30 MAX
C	0.55 MAX
D	2.40±0.15
E	1.27
F	2.30
G	14.00± 0.50
H	0.60 MAX
J	1.05
K	1.45
L	25°
M	0.80
N	0.55 MAX
O	0.75

1. EMITTER
2. COLLECTOR
3. BASE

TO-92M

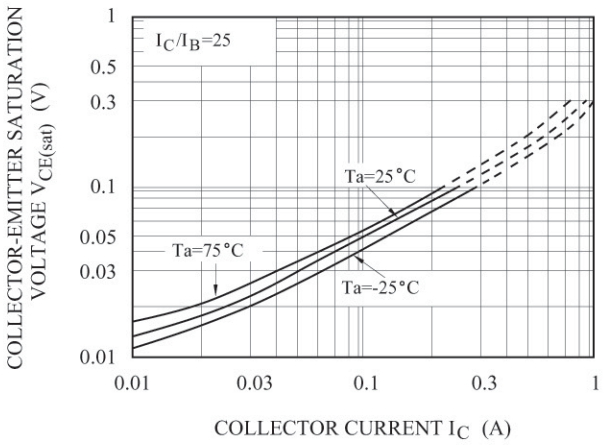
MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	25	V
Collector-Emitter Voltage	V_{CEO}	20	V
Emitter-Base Voltage	V_{EBO}	12	V
Collector C rrent	I_C	300	mA
Base C rrent	I_B	30	mA
Collector Power Dissipation	P_C	400	m
J nction Temperat re	T	150	℃
Storage Temperat re Range	T_{stg}	-55～150	℃

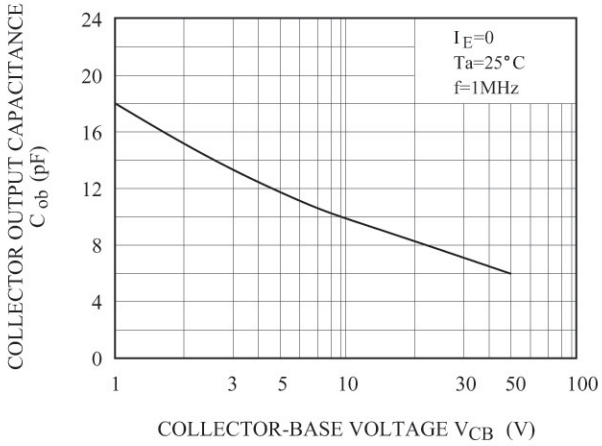
ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector C t-o C rrent	I_{CBO}	V_{CB}=25V, I_E=0	-	-	0.1	μA
Emitter C t-o C rrent	I_{EBO}	V_{EB}=12V, I_C=0	-	-	0.1	μA
DC C rrent Gain	h_{FE}(1) (FOR)	V_{CE}=2V, I_C=4mA	200	-	800	
	h_{FE}(2) (REV)	V_{CE}=2V, I_C=4mA	20	-	-	
Collector-Emitter Sat ration Voltage	$V_{CE(sat)}$	I_C=100mA, I_B=10mA	-	-	0.25	V
Base-Emitter Sat ration Voltag e	$V_{BE(sat)}$	I_C=100mA, I_B=10mA	-	-	1.0	V
Transition Fre ency	T	V_{CE}=10V, I_C=1mA	-	60	-	MH
Collector O tp t Capacitance	C_o	V_{CB}=10V, I_E=0, =1MH	-	10	-	pF
On Resistance	R_{on}	=1KH , I_B=1mA, V_{IN}=0.3V	-	0.6	-	Ω

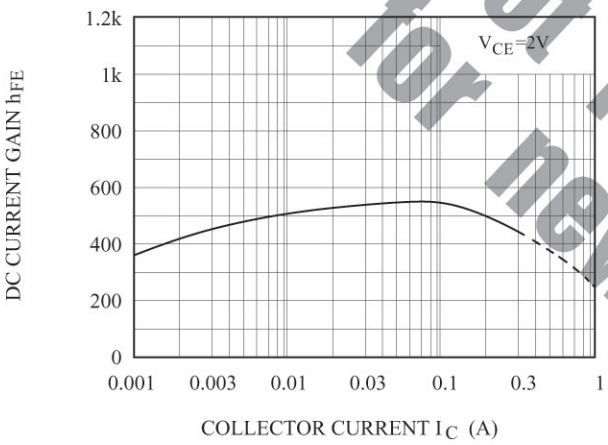
$V_{CE(sat)}$ - I_C



C_{ob} - V_{CB}



h_{FE} - I_C



R_{on} - I_B