

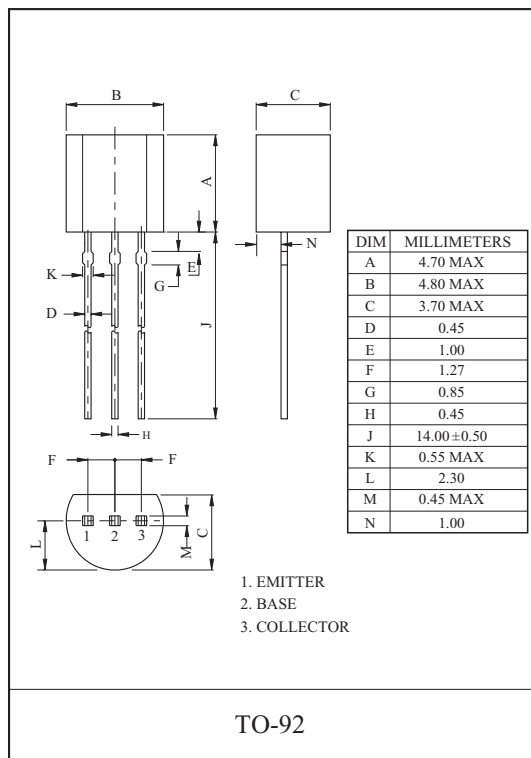
AUDIO FREQUENCY AMPLIFIER APPLICATIONS.

FEATURES

- Complementary to MPSA06.

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-80	V
Collector-Emitter Voltage	V_{CEO}	-80	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-500	mA
Emitter Current	I_E	500	mA
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	℃
Storage Temperature	T_{stg}	-55 ~ 150	℃



ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = -80V, I_E = 0$	-	-	-100	nA
Emitter Cut-off Current	I_{CEO}	$V_{CE} = -60V, I_B = 0$	-	-	-100	nA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = -1mA, I_B = 0$	-80	-	-	V
DC Current Gain	$h_{FE(1)}$	$V_{CE} = -1V, I_C = -10mA$	100	-	-	
	$h_{FE(2)}$	$V_{CE} = -1V, I_C = -100mA$	100	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -100mA, I_B = -10mA$	-	-	-0.25	V
Base-Emitter Voltage	V_{BE}	$V_{CE} = -1V, I_C = -100mA$	-	-	-1.2	V
Transition Frequency	f_T	$V_{CE} = -1V, I_E = 0, I_C = -100mA$	50	-	-	MHz