



2SA1011

PNP EPITAXIAL SILICON TRANSISTOR

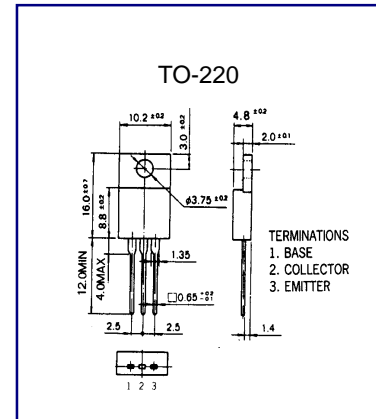
LOW FREQUENCY POWER AMPLIFIER

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- Complement to 2SC2073

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CB0}	-180	V
Collector-Emitter Voltage	V _{CE0}	-160	V
Emitter-Base voltage	V _{EB0}	-5	V
Collector Current (DC)	I _C	-3	A
Collector Dissipation (T _c =25°C)	P _C	10	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-50~150	°C



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	I _{CBO}	V _{CB} = -120V , I _E =0			-10	μA
Emitter Cutoff Current	I _{EB0}	V _{EB} = -5V , I _C =0			-10	μA
DC Current Gain	h _{FE1}	V _{CE} = -10V , I _C =-0.5A	60		200	
Collector- Emitter Saturation Voltage	V _{CE(sat)}	I _C =-0.5A , I _B =-50mA			-1.5	V
Current Gain Bandwidth Product	f _T	V _{CE} = -10V , I _C =-0.5A		100		MHZ