

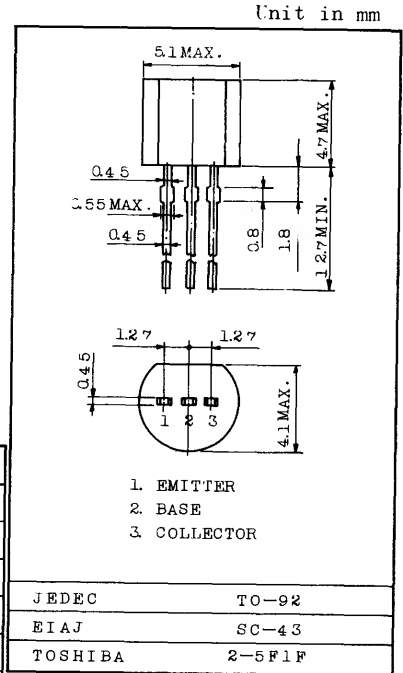
DRIVER STAGE AMPLIFIER APPLICATIONS.
VOLTAGE AMPLIFIER APPLICATIONS.

FEATURES:

- . Complementary to S1838.
- . Driver Stage Application of 20 to 25 Watts Amplifiers.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	-80	V
Collector-Emitter Voltage	V _{CE0}	-80	V
Emitter-Base Voltage	V _{EB0}	-5	V
Collector Current	I _C	-300	mA
Base Current	I _B	-100	mA
Collector Power Dissipation	P _C	625	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55-150	°C



Weight : 0.21g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CB0}	V _{CB} =-50V, I _E =0	-	-	-100	nA
Emitter Cut-off Current	I _{EB0}	V _{EB} =-5V, I _C =0	-	-	-100	nA
Collector-Emitter Breakdown Voltage	V(BR)CE0	I _C =-5mA, I _B =0	-80	-	-	V
DC Current Gain	hFE(1)	V _{CE} =-2V, I _C =-50mA	70	-	240	
	hFE(2)	V _{CE} =-2V, I _C =-200mA	40	-	-	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =-200mA, I _B =-20mA	-	-	-0.4	V
Base-Emitter Voltage	V _{BE}	V _{CE} =-2V, I _C =-5mA	-0.55	-	-0.8	V
Transition Frequency	f _T	V _{CE} =-10V, I _C =-10mA	70	100	-	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =-10V, I _E =0, f=1MHz	-	14	-	pF

