

Unit in mm

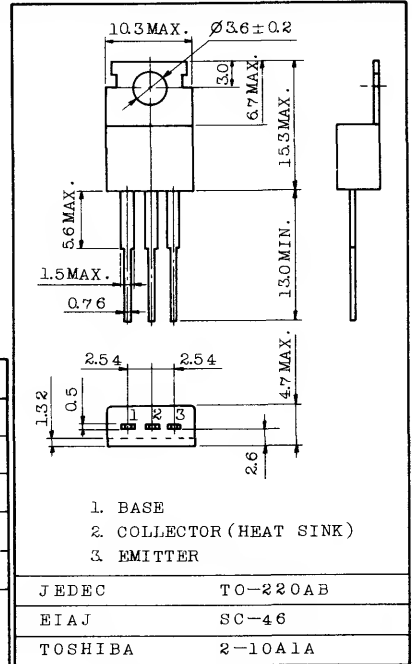
POWER AMPLIFIER APPLICATIONS.  
VERTICAL OUTPUT APPLICATIONS.

FEATURES:

- . Wide Safe Operating Area.
- . Complementary to 2SA940

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V <sub>CB0</sub>	150	V
Collector-Emitter Voltage		V <sub>CE0</sub>	150	V
Emitter-Base Voltage		V <sub>EB0</sub>	5	V
Collector Current		I <sub>C</sub>	1.5	A
Base Current		I <sub>B</sub>	0.5	A
Collector Power Dissipation	Ta=25°C	P <sub>C</sub>	1.5	W
	Tc=25°C		25	
Junction Temperature		T <sub>j</sub>	150	°C
Storage Temperature Range		T <sub>stg</sub>	-55~150	°C



Weight : 1.9g

Mounting kit No. AC75

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I <sub>CB0</sub>	V <sub>CB</sub> =120V, I <sub>E</sub> =0	-	-	10	μA
Emitter Cut-off Current	I <sub>EB0</sub>	V <sub>EB</sub> =5V, I <sub>C</sub> =0	-	-	10	μA
DC Current Gain	h <sub>FE</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =500mA	40	75	140	
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =500mA, I <sub>B</sub> =50mA	-	-	1.5	V
Base-Emitter Voltage	V <sub>BE</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =500mA	0.65	0.75	0.85	V
Transition Frequency	f <sub>T</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =500mA	-	4	-	MHz
Collector Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> =10V, I <sub>E</sub> =0, f=1MHz	-	35	-	pF

# 2SC2073

