

Unit in mm

POWER AMPLIFIER APPLICATIONS.

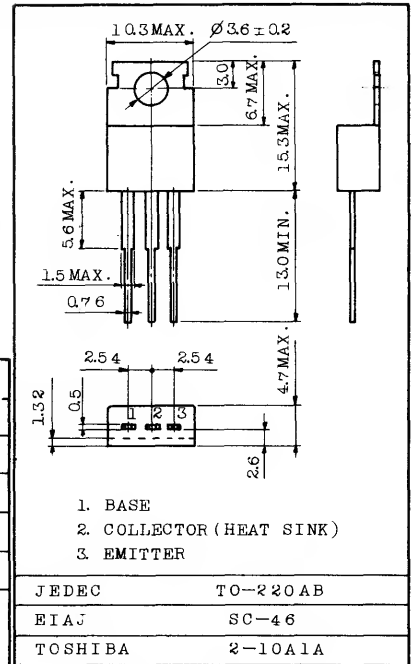
VERTICAL OUTPUT APPLICATIONS.

FEATURES:

- Complementary to 2SC2073

MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V_{CB0}	-150	V
Collector-Emitter Voltage		V_{CE0}	-150	V
Emitter-Base Voltage		V_{EB0}	-5	V
Collector Current		I_C	-1.5	A
Base Current		I_B	-0.5	A
Collector Power Dissipation	$T_a=25^\circ\text{C}$	P_C	1.5	W
	$T_c=25^\circ\text{C}$		25	
Junction Temperature		T_j	150	$^\circ\text{C}$
Storage Temperature Range		T_{stg}	-55~150	$^\circ\text{C}$



Weight : 1.9g
Mounting kit No. AC75

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CB0}	$V_{CB}=-120\text{V}, I_E=0$	-	-	-10	μA
Emitter Cut-off Current	I_{EB0}	$V_{EB}=-5\text{V}, I_C=0$	-	-	-10	μA
DC Current Gain	h_{FE}	$V_{CE}=-10\text{V}, I_C=-500\text{mA}$	40	75	140	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-500\text{mA}, I_B=-50\text{mA}$	-	-	-1.5	V
Base-Emitter Voltage	V_{BE}	$V_{CE}=-10\text{V}, I_C=-500\text{mA}$	-0.65	-0.75	-0.85	V
Transition Frequency	f_T	$V_{CE}=-10\text{V}, I_C=-500\text{mA}$	-	4	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10\text{V}, I_E=0, f=1\text{MHz}$	-	55	-	pF

