

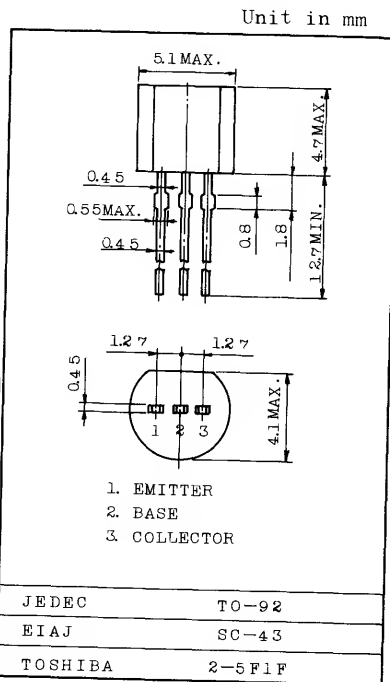
VIDEO OUTPUT STAGE FOR B/W TV.
HIGH VOLTAGE SWITCHING APPLICATONS.

FEATURES:

- . High Voltage : $V_{CB0}=150V$, $V_{CE0}=150V$
- . Low Saturation Voltage : $V_{CE(sat)}=0.5V(Max.)$

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

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	30	mA
Base Current	I_B	10	mA
Collector Power Dissipation	PC	625	mW
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55~150	$^{\circ}C$



Weight : 0.21g

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

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=150V$, $I_E=0$	-	-	0.1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=5V$, $I_C=0$	-	-	0.1	μA
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=0.1mA$, $I_E=0$	150	-	-	V
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=1mA$, $I_B=0$	150	-	-	V
DC Current Gain	h _{FE}	$V_{CE}=3V$, $I_C=10mA$	40	-	240	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=10mA$, $I_B=1mA$	-	-	0.5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=10mA$, $I_B=1mA$	-	-	1.5	V
Transition Frequency	f_T	$V_{CE}=10V$, $I_C=2mA$	50	100	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V$, $I_E=0$, $f=1MHz$	-	2.5	4	pF

