

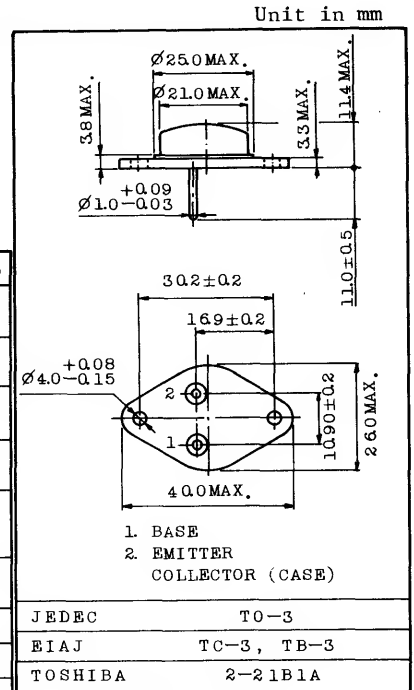
TV HORIZONTAL OUTPUT APPLICATIONS.

FEATURES:

- . High Voltage :  $V_{CES}=1300V$
- . High Speed :  $t_f=0.7\mu s$  (Typ.)
- . Glass Passivated Collector-Base Junction.

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

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Emitter Voltage ( $V_{BE}=0V$ )		$V_{CES}$	1300	V
Collector-Emitter Voltage ( $R_{BE}=100\Omega$ )		$V_{CER}$	1300	V
Transient Collector-Emitter Voltage (Flash-over)		$V_{CE}$ (Flash-over)	1500	V
Collector-Emitter Voltage (Open Base)		$V_{CEO}$	600	V
Collector Current	DC	$I_C$	5	A
	Peak	$I_{CM}$	7.5	
Transient Collector Current (Flash-over)		$I_C$ (Flash-over)	10	A
Base Current (Peak)		$I_{BM}$	4	A
Reverse Base Current	DC	$-I_B$	100	mA
	Peak	$-I_{BM}$	2.5	A
Collector Power Dissipation ( $T_c \leq 95^\circ C$ )		$P_C$	12.5	W
Junction Temperature		$T_j$	115	$^\circ C$
Storage Temperature Range		$T_{stg}$	-65 ~ 115	$^\circ C$



Weight : 17.0g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CES}$	$V_{CE}=1300V, V_{BE}=0V$	-	-	1	mA
DC Current Gain	$h_{FE}$	$V_{CE}=5V, I_C=4.5A$	2.25	-	-	
Emitter-Base Breakdown Voltage	$V(BR)EBO$	$I_E=100mA, I_C=0$	5	-	-	V
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=4.5A, I_B=2.0A$	-	-	5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=4.5A, I_B=2.0A$	-	-	1.5	V
Collector-Emitter Sustaining Voltage	$V_{CEO(SUS)}$	$I_C=100mA, L=25mH$	600	-	-	V
Fall Time	$t_f$	$I_C=4.5A, I_B(end)=1.8A$	-	0.7	1	$\mu s$
Collector Output Capacitance	$C_{ob}$	$V_{CB}=10V, I_E=0, f=1MHz$	-	165	-	pF
Transition Frequency	$f_T$	$V_{CE}=5V, f=5MHz, I_C=0.1A$	-	3	-	MHz