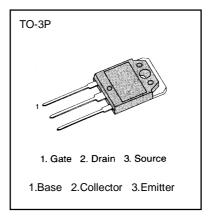
COLOR TV HORIZONTAL OUTPUT APPLICATIONS (DAMPER DIODE BUILT IN)

- High Collector-Base Voltage (V_{CBO}=1500V)
- High Speed Switching (tf. max=0.4uS)

ABSOLUTE MAXIMUM RATINGS

Characteristic	Symbol	Rating	Unit
Collector- Base Voltage	V_{CBO}	1500	V
Collector- Emitter Voltage	V_{CEO}	800	V
Emitter- Base Voltage	V_{EBO}	6	V
Collector Current (DC)	Ic	2.5	Α
Collector Current (Pulse)	Ic	10	Α
Collector Dissipation (T _C =25 °C)	Pc	80	W
Junction Temperature	T_{J}	150	${\mathbb C}$
Storage Temperature	T _{STG}	-55 ~ 150	$^{\circ}$

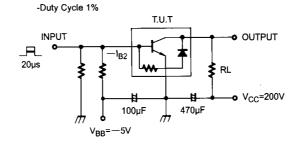


ELECTRICAL CHARACTERISTICS (T_C=25 °C)

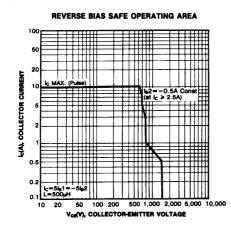
Characteristic	Symbol	Test Condition	Min	Тур	Max	Unit
Collector Cutoff Current	I _{CBO}	V _{CB} = 800V, I _E = 0			10	uA
Emitter Cutoff Current	I _{EBO}	$V_{EB} = 4V, I_{C} = 0$	40		200	mA
DC Current Gain	h _{FE}	$V_{CE} = 5V, I_{C} = 0.5A$	8			
Collector Emitter Saturation Voltage	V _{CE} (sat)	$I_C = 2A, I_B = 0.6A$			8	V
Base Emitter Saturation Voltage	V _{BE} (sat)	$I_C = 2A, I_B = 0.6A$			1.5	V
Current Gain Bandwidth Product	f _T	$V_{CB} = 10V, I_C = 0.5A$		3		MHz
Damper Diode Turn On Voltage	V_F	I _F = 2.5A			2	V
Fall Time	t _F	$I_C = 2A$, $I_B 1 = 0.6A$			0.4	uS
		I _B 2 = - 1.2A, V _{CC} = 200V				
		RL = 100 Ω				

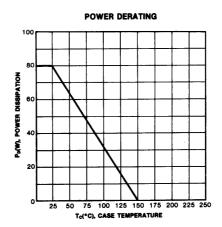
-EQUIVALENT CIRCIT

-SWITCHING TIME TEST CIRCUIT











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PRODUCT STATUS DEFINITIONS

Definition of Terms

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