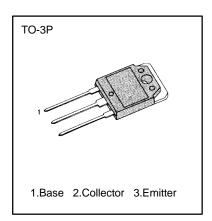
COLOR TV HORIZONTAL OUTPUT APPLICATIONS (DAMPER DIODE BUILT IN)

- High Collector-Base Voltage (V_{CBO}=1500V)
- High Speed Switching ($t_F = 0.1 \mu s$)

ABSOLUTE MAXIMUM RATINGS

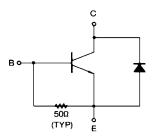
Characteristic	Symbol	Rating	Unit	
Collector Base Voltage	V_{CBO}	1500	V	
Collector Emitter Voltage	V_{CEO}	800	V	
Emitter Base Voltage	V_{BEO}	6	V	
Collector Current (DC)	lc	8	Α	
Collector Current (Pulse)	Ic	30	Α	
Collector Dissipation (T _C =25°C)	Pc	150	W	
Junction Temperature	T_J	150	°C	
Storage Temperature	T _{STG}	-55 ~ 150	°C	



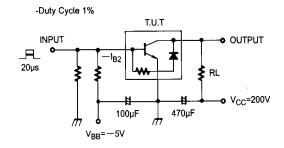
ELECTRICAL CHARACTERISTICS (T_C=25°C)

Characteristic	Symbol	Test Condition	Min	Тур	Max	Unit
Collector Cutoff Current (V _{BE} =0)	I _{CES}	V _{CE} = 1500V, R _{BE} = 0			1	mA
Collector Cutoff Current	I _{CBO}	$V_{CB} = 800V, I_E = 0$			10	μΑ
Emitter Cutoff Current	I _{EBO}	$V_{EB} = 4V, I_{C} = 0$	40		200	mA
DC Current Gain	h _{FE1}	$V_{CE} = 5V, I_{C} = 1.0A$	8			
	h _{FE2}	$V_{CE} = 5V, I_{C} = 6.0A$	5			
Collector Emitter Saturation Voltage	V _{CE} (sat)	$I_C = 6A, I_B = 1.2A$			5.0	V
Base Emitter Saturation Voltage	V _{BE} (sat)	$I_C = 6A, I_B = 1.2A$			1.5	V
Damper Diode Turn On Voltage	V _F	I _F =8A			2.0	V
Fall Time	t _F	$I_C = 6A$, $I_B 1 = 1.2A$		0.1	0.3	μs
		$I_B 2 = -2.4A$				
		$V_{CC} = 200V, R_L = 33.3\Omega$				

-EQUIVALENT CIRCUIT



-SWITCHING TIME TEST CIRCUIT





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Definition of Terms

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