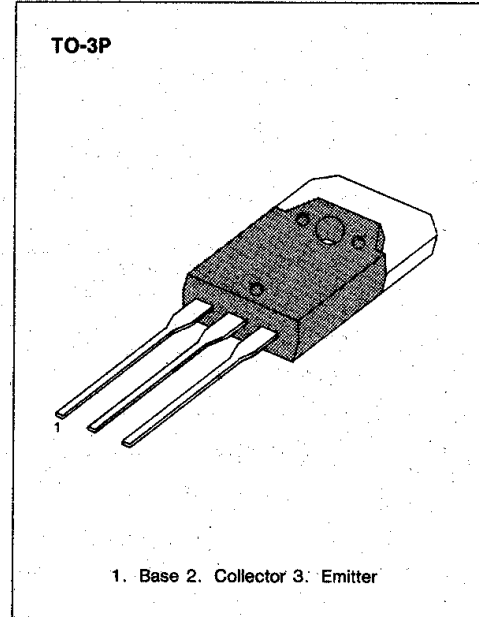


**COLOR TV HORIZONTAL OUT PUT
APPLICATIONS**

High Collector-Base Voltage $V_{CBO}=1500V$

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

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	1500	V
Collector-Emitter Voltage	V_{CEO}	800	V
Emitter-Base Voltage	V_{EBO}	7	V
Collector Current	I_C	6	A
Collector Current (Peak)	I_C	16	A
Collector Dissipation ($T_C=25^\circ C$)	P_C	120	W
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature	T_{stg}	-55~150	$^\circ C$



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

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	I_{CBO}	$V_{CB}=800V, I_E=0$			10	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB}=5V, I_C=0$			1	mA
DC Current Gain	h_{FE}	$V_{CE}=5V, I_C=1A$	8			
Collector Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=5A, I_B=1A$			5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=5A, I_B=1A$			1.5	V
Current Gain Bandwidth Product	f_T	$V_{CE}=10V, I_C=1A$		3		MHz
Fall Time	t_f	$I_C=5A, I_B1=1A$ $I_B2=-2A, R_L=40\Omega$			0.4	μS