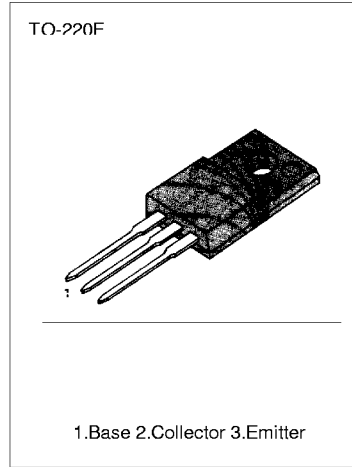


B/W TV HORIZONTAL DEFLECTION OUTPUT

- Collector Base Voltage : $V_{CB0} = 150V$
- Collector Current : $I_C = 5A$
- Collector Dissipation : $P_C = 20W$ ($T_C = 25^\circ C$)

ABSOLUTE MAXIMUM RATINGS

Characteristic	Symbol	Rating	Unit
Collector Base Voltage	V_{CB0}	150	V
Collector Emitter Voltage	V_{CEO}	70	V
Emitter Base Voltage	V_{EBO}	8	V
Collector Current	I_C	5	A
Collector Dissipation ($T_C = 25^\circ C$)	P_C	20	W
Junction Temperature	T_J	150	$^\circ C$
Storage Temperature	T_{STG}	-55 ~ 150	$^\circ C$



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

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BV_{CB0}	$I_C = 1mA, I_E = 0$	150			V
Collector Emitter Breakdown Voltage	BV_{CEO}	$I_C = 20mA, R_{BE} = \infty$	70			V
Emitter Base Breakdown Voltage	BV_{EBO}	$I_E = 1mA, I_C = 0$	8			V
Collector Cutoff Current	I_{CB0}	$V_{CB} = 100V, I_E = 0$			20	μA
DC Current Gain	h_{FE}	$V_{CE} = 5V, I_C = 5A$	20		140	
Collector Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 5A, I_B = 0.5A$			1	V
Base Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = 5A, I_B = 0.5A$			1.5	V
Current Gain Bandwidth Product	f_T	$V_{CE} = 5V, I_C = 0.5A$		10		MHz

$h_{FE}(1)$ CLASSIFICATION

Classification	N	R	O
h_{FE1}	20 ~ 50	40 ~ 80	70 ~ 140

