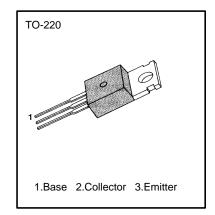
## **B/W TV HORIZONTAL DEFLECTION OUTPUT**

- Collector-Base Voltage: V<sub>CBO</sub>=150V
  Collector Current: I<sub>C</sub>=5A
- $\bullet$  Collector Dissipation: P<sub>C</sub>=40W(T<sub>C</sub>=25°C)

# **ABSOLUTE MAXIMUM RATINGS**

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V <sub>CBO</sub>	150	V
Collector-Emitter Voltage	$V_{CEO}$	70	V
Emitter-Base Voltage	$V_{EBO}$	8	V
Collector Current	I <sub>C</sub>	5	Α
Collector Dissipation (T <sub>C</sub> =25°C)	Pc	40	W
Junction Temperature	TJ	150	°C
Storage Temperature	T <sub>STG</sub>	-55 ~ 150	°C



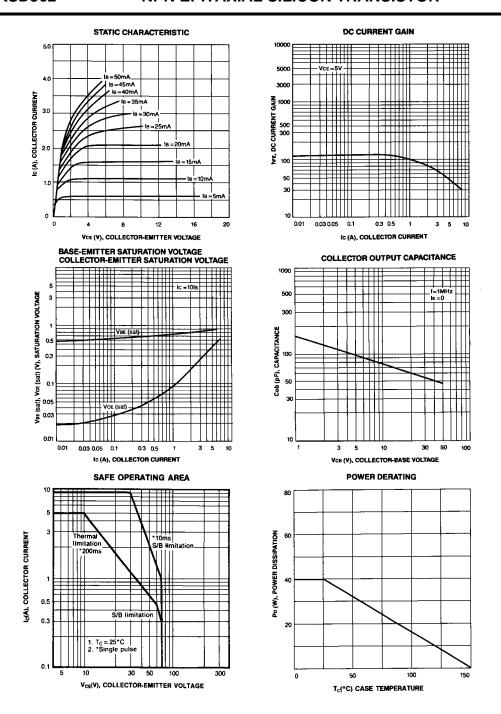
# **ELECTRICAL CHARACTERISTICS** (T<sub>C</sub> =25°C)

Characteristic	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector-Base Breakdown Voltage	BV <sub>CBO</sub>	$I_C = 1 \text{mA}, I_E = 0$	150			V
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	I <sub>C</sub> = 2mA, R <sub>BE</sub> = ∞	70			V
Emitter-Base Breakdown Voltage	BV <sub>EBO</sub>	$I_E = 1 \text{mA}, I_C = 0$	8			V
Collector Cutoff Current	I <sub>CBO</sub>	$V_{CB} = 100V, I_{E} = 0$			20	μΑ
DC Current Gain	h <sub>FE</sub>	$V_{CE} = 5V$ , $I_C = 5A$	20		140	
Collector-Emitter Saturation Voltage	V <sub>CE</sub> (sat)	$I_C = 5A, I_B = 0.5A$			1	V
Base-Emitter Saturation Voltage	V <sub>BE</sub> (sat)	$I_C = 5A, I_B = 0.5A$			1.5	V
Current Gain Bandwidth Product	f⊤	$V_{CE} = 5V, I_{C} = 0.5A$		10		MHz

# **h**<sub>FE</sub> CLASSIFICATION

Classification	N	R	0
h <sub>FE</sub>	20 - 50	40 - 80	70 - 140







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 $\begin{array}{lll} \mathsf{FACT} \ \mathsf{Quiet} \ \mathsf{Series^{\mathsf{TM}}} & \mathsf{Quiet} \ \mathsf{Series^{\mathsf{TM}}} \\ \mathsf{FAST}^{\otimes} & \mathsf{SuperSOT^{\mathsf{TM}}}\text{-}3 \\ \mathsf{FASTr^{\mathsf{TM}}} & \mathsf{SuperSOT^{\mathsf{TM}}}\text{-}6 \\ \mathsf{GTO^{\mathsf{TM}}} & \mathsf{SuperSOT^{\mathsf{TM}}}\text{-}8 \\ \mathsf{HiSeC^{\mathsf{TM}}} & \mathsf{TinyLogic^{\mathsf{TM}}} \end{array}$ 

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### **Definition of Terms**

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