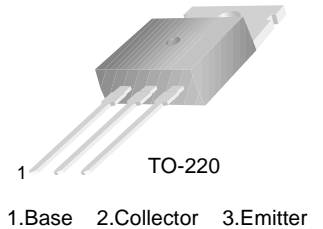


■ ■ APPLICATION: B/W TV Horizontal Deflection Output Applications.

■ ■ MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	150	V
Collector-emitter voltage	V_{CEO}	70	V
Emitter-base voltage	V_{EBO}	8	V
Collector current	I_C	5	A
Collector Power Dissipation	P_C	1.5~40	W
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55~150	$^\circ\text{C}$


■ ■ ELECTRICAL CHARACTERISTICS

 ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE}	20		140		$V_{CE}= 5V, I_C= 5A$
Collector Cut-off Current	I_{CBO}			20	μA	$V_{CB}= 100V, I_E=0$
Collector-Base Breakdown Voltage	BV_{CBO}	150			V	$I_C= 1mA, I_E=0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	70			V	$I_C= 20mA, I_B=0$
Emitter-Base Breakdown Voltage	BV_{EBO}	8			V	$I_E= 1mA, I_C=0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			1.0	V	$I_C= 5A, I_B= 500mA$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$			1.5	V	$I_C= 5A, I_B= 500mA$
Gain bandwidth product	f_T		10		MHz	$I_C= 500mA, V_{CE}= 5V$

■ ■ h_{FE} Classification And Marking

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