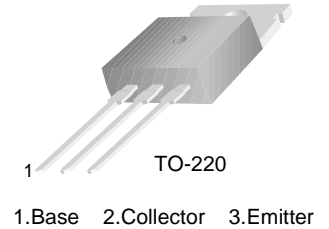


■ ■ APPLICATION: Medium Power Linear Switching Applications.

■ ■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	VCBO	-60	V
Collector-emitter voltage	VCEO	-60	V
Emitter-base voltage	VEBO	-5	V
Collector current	IC	-3	A
Collector Power Dissipation	PC	40	W
Junction Temperature	TJ	150	°C
Storage Temperature Range	Tstg	- 55~150	°C



■ ■ ELECTRICAL CHARACTERISTICS

(Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	hFE	25				VCE= -4V, Ic= -1A
Collector Cut-off Current	ICBO			-100	μA	VCB= -30V, IE=0
Emitter-Base Cut-off Current	IEBO			-1	mA	VEB= -5V, Ic=0
Collector-Base Breakdown Voltage	BVCBO	-60			V	Ic= -1mA, IE=0
Collector-Emitter Breakdown Voltage	BVCEO	-60			V	Ic= -30mA, IB=0
Emitter-Base Breakdown Voltage	BVEBO	-5			V	IE= -1mA, Ic=0
Base-Emitter on Voltage	VBE (on)			-1.8	V	VCE= -4V, Ic= -3A
Base-Emitter on Voltage	VCE(sat)			-1.2	V	Ic= -3A, IB= -375mA
Gain bandwidth product	fT	3			MHz	Ic= -500mA, VCE= -10V

■ ■ hFE Classification And Marking

Classification

hFE

≥25