

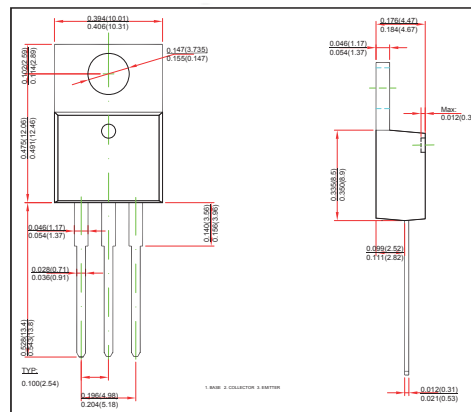
TO-220L Plastic-Encapsulate Transistors

FEATURES

- Small collector output capacitance
- Collector metal (fin) is fully covered with mold resin
- High voltage
- TRANSISTOR NPN

MECHANICAL DATA

- Case style:TO-220L molded plastic
- Mounting position:any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	VCBO	300	V
Collector-Emitter Voltage	VCEO	300	V
Emitter-Base Voltage	VEBO	7	V
Collector Current -Continuous	IC	0.1	A
Collector Power Dissipation	PC	2	W
Junction Temperature	TJ	150	°C
Storage Temperature	Tstg	-55 to +150	°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR)CBO	IC=100μA, IE=0	300			V
Collector-emitter breakdown voltage	V(BR)CEO	IC=10mA, IB=0	300			V
Emitter-base breakdown voltage	V(BR)EBO	IE=100μA, IC=0	7			V
Collector cut-off current	ICBO	VCB=240V, IE=0			1.0	μA
Emitter cut-off current	IEBO	VEB=7V, IC=0			1.0	μA
DC current gain	hFE(1)	VCE=10V, IC=4mA	20			
	hFE(2)	VCE=10V, IC=20mA	30		200	
Collector-emitter saturation voltage	VCE(sat)	IC=10mA, IB=1mA			1.0	V
Base-emitter saturation voltage	VBE(sat)	IC=10mA, IB=1mA			1.0	V
Transition frequency	fT	VCE=10V, IC=20mA	50	70		MHz
Collector output capacitance	Cob	VCB=20V, IE=0, f=1MHz	3.0			pF

RATINGS AND CHARACTERISTIC CURVES

