THERMAL DATA

R _{thj-case}	Thermal Resistance Junction-case	Max	3.12	°C/W
$R_{thj-amb}$	Thermal Resistance Junction-ambient	Max	70	°C/W

ELECTRICAL CHARACTERISTICS ($T_{case} = 25 \ ^{\circ}C$ unless otherwise specified)

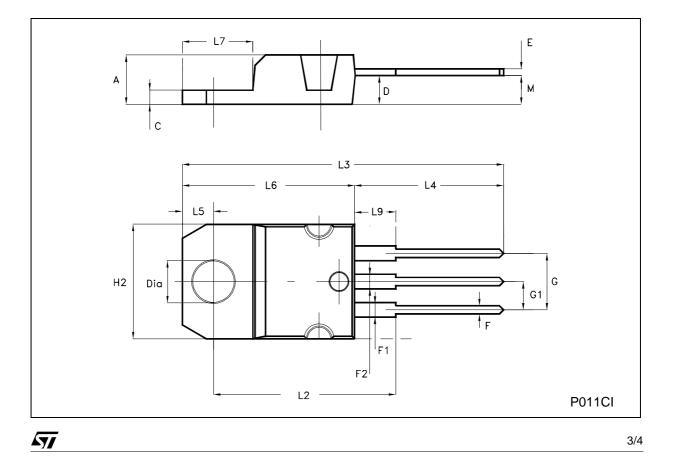
Symbol	Parameter Collector Cut-off Current (V _{BE} = - 1.5V)	Test Conditions		Min.	Тур.	Max.	Unit
ICEX		V _{CE} = -40 V V _{CE} = -30 V	T _C = 150 °C			-0.1 -2	mA mA
ICEO	Collector Cut-off Current ($I_B = 0$)	V _{CE} = -20 V				-1	mA
I _{EBO}	Emitter Cut-off Current $(I_C = 0)$	V _{EB} = -5 V				-1	mA
$V_{CEO(sus)^*}$	Collector-Emitter Sustaining Voltage (I _B = 0)	I _C = -0.1 A		-30			V
$V_{CER(sus)^*}$	Collector-Emitter Sustaining Voltage (I _C = 0)	I _C = -0.1 A	$R_{BE} = 100 \ \Omega$	-40			V
V _{CE(sat)} *	Collector-Emitter Saturation Voltage	I _C = -2 A I _C = -7 A	I _B = -0.2 A I _B = -3.0 A			-1 -3.5	V V
V _{BE(on)} *	Base-Emitter Voltage	I _C = -2 A I _C = -7 A	V _{CE} = -4 V V _{CE} = -4 V			-5 -3	V V
h _{FE} *	DC Current Gain	I _C = -3 A I _C = -7 A	V _{CE} = -4 V V _{CE} = -4 V	30 2.3		150	
h _{fe}	Small Signal Current Gain	l _C = -0.5 A f = 50 KHz	$V_{CE} = -4 V$	20			
f⊤	Transition-Frequency	I _C = -0.5 A	$V_{CE} = -4 V$	4			MHz
C _{cbo}	Collector-base Capacitance	V _{CB} = -10 V	f = 1 MHz			250	pF

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* Pulsed: Pulse duration = $300 \,\mu$ s, duty cycle 1.5 %.

	mm		inch			
DIM.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
А	4.40		4.60	0.173		0.181
С	1.23		1.32	0.048		0.052
D	2.40		2.72	0.094		0.107
E	0.49		0.70	0.019		0.027
F	0.61		0.88	0.024		0.034
F1	1.14		1.70	0.044		0.067
F2	1.14		1.70	0.044		0.067
G	4.95		5.15	0.194		0.202
G1	2.40		2.70	0.094		0.106
H2	10.00		10.40	0.394		0.409
L2		16.40			0.645	
L4	13.00		14.00	0.511		0.551
L5	2.65		2.95	0.104		0.116
L6	15.25		15.75	0.600		0.620
L7	6.20		6.60	0.244		0.260
L9	3.50		3.93	0.137		0.154
М		2.60			0.102	
DIA.	3.75		3.85	0.147		0.151





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