## THERMAL DATA

R <sub>thj-case</sub> Thermal Resistance Junction-case	Max	1.17	°C/W	1
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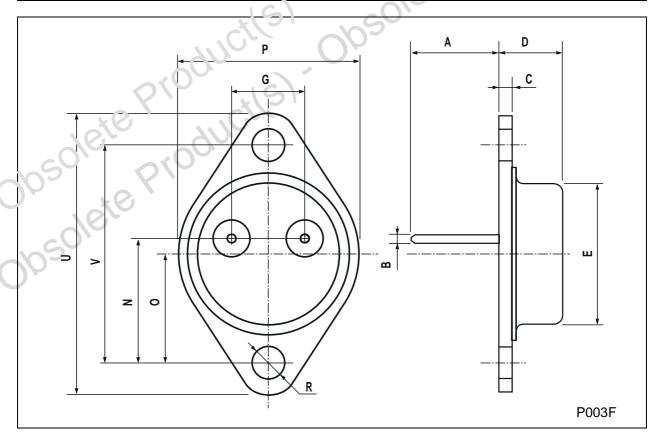
## **ELECTRICAL CHARACTERISTICS** (T<sub>case</sub> = 25 °C unless otherwise specified)

I <sub>CER</sub>	Parameter	Test Conditions	Min.	Тур.	Max.	Unit
	Collector Cut-off Current ( $R_{BE} = 1 K\Omega$ )	V <sub>CE</sub> = 80 V T <sub>case</sub> = 150 °C V <sub>CE</sub> = 80 V			1 5	mA mA
I <sub>CEO</sub>	Collector Cut-off Current (I <sub>B</sub> = 0)	V <sub>CE</sub> = 30 V V <sub>CE</sub> = 40 V			1 1	mA mA
I <sub>EBO</sub>	Emitter Cut-off Current (I <sub>C</sub> = 0)	V <sub>EB</sub> = 5 V			2	Acı
V <sub>CEO(sus)</sub> *	Collector-Emitter Sustaining Voltage (I <sub>B</sub> = 0)	I <sub>C</sub> = 100 mA	80	-91	CC	V
V <sub>CE(sat)</sub> *	Collector-emitter Saturation Voltage	I <sub>C</sub> = 5 A I <sub>B</sub> = 20 mA I <sub>C</sub> = 10 A I <sub>B</sub> = 50 mA	01	0	2 4	V
V <sub>BE</sub> *	Base-emitter Voltage	I <sub>C</sub> = 5 A V <sub>CE</sub> = 3 V	.0.		3	V
h <sub>FE</sub> *	DC Current Gain	Ic = 5 A VcE = 3 V	1000	All	), ·	
		4(5) 4501	3			
	ete Produ	ct(s) obsoli				
osol <sup>6</sup>	ete Produ	ct(s) obsoli				

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## **TO-3 MECHANICAL DATA**

DIM.	mm			inch		
Divi.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
А	11.00		13.10	0.433		0.516
В	0.97		1.15	0.038		0.045
С	1.50		1.65	0.059		0.065
D	8.32		8.92	0.327		0.381
E	19.00		20.00	0.748	(	0.787
G	10.70		11.10	0.421	900	0.437
N	16.50		17.20	0.649		0.677
Р	25.00		26.00	0.634		1.023
R	4.00		4.09	0.157	- 1000°	0.161
U	38.50		?3.20	1.515		1.547
V	30.00		30.30	1.187		1.193



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