THERMAL DATA

R _{thj-amb} •	Thermal Resistance	Junction-Ambient	Мах	500	°C/W		
Device mounted on a PCB area of 1 cm ²							

ELECTRICAL CHARACTERISTICS (T_{case} = 25 °C unless otherwise specified)

Symbol	Parameter	Test C	Conditions	Min.	Тур.	Max.	Unit
I _{CBO}	Collector Cut-off Current (I _E = 0)	V _{CB} = 20 V V _{CB} = 20 V	T _C = 150 ^o C			100 5	nΑ μΑ
I _{EBO}	Emitter Cut-off Current $(I_E = 0)$	$V_{EB} = 5 V$				100	nA
$V_{(BR)CEO}^{*}$	Collector-Emitter Breakdown Voltage (I _B = 0)	I _C = 10 mA		45			V
$V_{CE(sat)^*}$	Collector-Emitter Saturation Voltage	I _C = 500 mA	I _B = 50 mA			0.7	V
$V_{BE(on)}*$	Base-Emitter On Voltage	l _C = 500 mA	$V_{CE} = 1 V$			1.2	S
h _{FE} *	DC Current Gain	I _C = 100 mA for BC817-25 for BC817-40	V _{CE} = 1 V	160 250	. 11	400 600	
f _T	Transition Frequency	$I_C = 10 \text{ mA } V_{CE}$	= 5 V f =100 MHz	100	C		MHz
Ссво	Collector-Base Capacitance	I _E = 0 V _{CB} =	10 V f = 1 MHz		8		pF
	ete Produ	ct(S)	505U				

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DIM.	mm			mils			
	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	
А	0.85		1.1	33.4		43.3	
В	0.65		0.95	25.6		37.4	
С	1.20		1.4	47.2		55.1	
D	2.80		3	110.2		118	
E	0.95		1.05	37.4		41.3	
F	1.9		2.05	74.8		80.7	
G	2.1		2.5	82.6		98.4	
н	0.38		0.48	14.9		18.8	
L	0.3		0.6	11.8		23.6	
М	0		0.1	0	210	3.9	
N	0.3		0.65	11.8		25.6	
0	0.09		0.17	3.5		6.7	





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