

BDY58

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

PARAMETER		TestConditions		Min.	Тур.	Max.	Unit
I _{CBO}	Collector Base Cut–Off Current	V _{CB} = 120V	$I_E = 0$			1	
ICER	Collector Emitter Cut–Off Current	V _{CE} = 80V R _{BE} = 10Ω	T _C = 100°C			10	mA
I _{EBO}	Emitter Base Cut–Off Current	V _{EB} = 10V	$I_{\rm C} = 0$ A			0.5	
V _{CEO(sus)*}	Collector Emitter Sustaining Voltage	I _C = 100mA		125			V
V(BR)CBO*	Collector Base Breakdown Voltage	I _C = 5mA		160			
V(BR)EBO*	Base Emitter Breakdown Voltage	I _E = 5mA		10			
V _{CE(sat)*}	Collector Emitter Saturation Voltage	I _C = 10A	I _B = 1A		0.5	1.4	
V _{BE(sat)*}	Base Emitter Saturation Voltage	I _C = 10A	I _B = 1A		1.4	2.0	
^h FE	DC Current Gain	$I_{C} = 10A$ $I_{C} = 20A$ $T_{C} = -30^{\circ}C$ $I_{C} = 10A$	$V_{CE} = 4V$	20 10	15	60	_
ŕŢ	Transition Frequency	$I_C = 1A$ f = 10MHz	-	7			MHz
t _{on}	Turn On Time	I _C = 15A	I _{B1} = 1.5A			1	
toff	Turn Off Time	I _C = 15A	I _{B1} = -I _{B2} = 1.5A			2	μS

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