

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

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I _{CBO} Collector Cutoff Current	V _{CB} =15V I _E =0			10	nA
	T _a =150°C			1	μA
V _{(BR)CBO} Collector – Base Breakdown Voltage	I _C =1μA I _E =0	30			V
V _{CEO(sus)} Collector – Emitter Sustaining Voltage	I _C =3mA I _B =0	15			
V _{(BR)EBO} Emitter – Base Breakdown Voltage	I _E =10μA I _C =0	3			
V _{CE(sat)} Collector – Emitter Saturation Voltage	I _C =10mA I _B =1mA			0.4	
V _{BE(sat)} Base – Emitter Saturation Voltage	I _C =10mA I _B =1mA			1.0	
h _{FE} DC Current Gain	I _C =3mA V _{CE} =1V	20	50		—
f _T Transition Frequency	I _C =4mA V _{CE} =10V f=100MHz	600	900		MHz
C _{EBO} Emitter – Base Capacitance	I _C =0 V _{EB} =0.5V f=1MHz			2	pF
C _{CBO} Collector – Base Capacitance	I _E =0 V _{CE} =0V f=1MHz V _{CE} =10V		1.8 1	3 1.7	
NF Noise Figure	I _E =1mA V _{CE} =6V R _g =400 f=60MHz			6	dB
G _{pe} Power Gain	I _C =6mA V _{CE} =12V R _g =50 f=200MHz	15	21		

* Pulsed: Pulse Duration = 300μs, duty cycle = 1.5%