

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

Parameter	Test Conditions ¹	Min.	Typ.	Max.	Unit
INDIVIDUAL TRANSISTOR CHARACTERISTICS					
V _{(BR)CBO}	Collector – Base Breakdown Voltage	I _C = 10μA I _E = 0	60		V
V _{(BR)CEO*}	Collector – Emitter Breakdown Voltage	I _C = 10mA I _B = 0	60		
V _{(BR)EBO}	Emitter – Base Breakdown Voltage	I _E = 10μA I _C = 0	6		
I _{CBO}	Collector Cut-off Current	V _{CB} = 45V I _E = 0		2	nA
		T _A = 150°C		10	μA
I _{CEO}	Collector Cut-off Current	V _{CE} = 5V I _B = 0		2	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} = 5V I _C = 0		2	
h _{FE}	DC Current Gain	V _{CE} = 5V I _C = 10μA	60	240	—
		T _A = -55°C	15		
		V _{CE} = 5V I _C = 100μA	100		
		V _{CE} = 5V I _C = 1mA	150		
V _{BE}	Base – Emitter Voltage	V _{CE} = 5V I _C = 100μA		0.70	V
V _{CE(sat)}	Collector – Emitter Saturation Voltage	I _B = 100μA I _C = 1mA		0.35	
h _{ib}	Small Signal Common – Base Input Impedance	V _{CB} = 5V I _C = 1mA f = 1kHz	25	32	Ω
h _{ob}	Small Signal Common – Base Output Admittance	V _{CB} = 5V I _C = 1mA f = 1kHz		1	μmho
h _{fe}	Small Signal Common – Base Current Gain	V _{CE} = 5V I _C = 500μA f = 20MHz	3		—
C _{obo}	Common – Base Open Circuit Output Capacitance	V _{CB} = 5V I _E = 0 f = 140kHz to 1MHz		6	pF

* Pulse Test: t_p = 300μs, δ ≤ 1%.

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
TRANSISTOR MATCHING CHARACTERISTICS					
h _{FE1}	Static Forward Current Gain	V _{CE} = 5V I _C = 100μA	0.9	1	—
h _{FE2}	Balance Ratio	See Note 2.			
V _{BE1} - V _{BE2}	Base – Emitter Voltage Differential	V _{CE} = 5V I _C = 100μA		3	mV
		V _{CE} = 5V I _C = 10μA to 1mA		5	
Δ(V _{BE1} - V _{BE2})ΔT _A	Base – Emitter Voltage Differential Change With Temperature	V _{CE} = 5V I _C = 100μA		0.8	mV
		T _{A1} = 25°C T _{A2} = -55°C			
		V _{CE} = 5V I _C = 100μA		1	
		T _{A1} = 25°C T _{A2} = 125°C			