

ABSOLUTE MAXIMUM RATINGS

VCEX V	VCER V	VCEO V	VEBO V	IC A	IB A	Pc W	T storage °C	TJ °C
90	65	55	7	15	7	117	-65 to +200	-65 to +200

ELECTRICAL CHARACTERISTICS: T_J = 25°C unless otherwise specified.

Characteristic	Symbol	Min.	Max.	Unit
DC Current Gain*	hFE	20	70	—
IC = 4 A, VCE = 4 V				
Collector-to-Emitter Voltage*	VCEO	55	—	V
IC = 100 mA				
Collector-to-Emitter Saturation Voltage*	VCE(s)	—	1.1	V
IC = 4 A, IB = 400 mA				
Base-to-Emitter Saturation Voltage*	VBE(s)	—	1.8	V
IC = 4 A, IB = 400 mA				
Collector Cutoff Current	ICEX	—	5	mA
VCEX = 90 V, VBE = -1.5 V	ICER	—	5	mA
VCER = 65 V, RBE = 100 ohms				
Emitter Cutoff Current	IEBO	—	5	mA
VEBO = 7 V				
Thermal Resistance	θJ-C	—	1.5	°C/W
Junction-to-Case				

Lead temperature ≤ 235°C for 10 seconds 1/32 inch from case.

*Pulse width ≤ 300 μsec, duty cycle ≤ 2%.

