ABSOLUTE MAXIMUM RATINGS
(25°C unless otherwise specified)

Storage Temperature	-55°C to + 150°C
Operating Temperature	-55°C to + 110°C

INPUT DIODE

Forward Current	60mA
Reverse Voltage	6V
Power Dissipation	90mW

OUTPUT TRANSISTOR

Collector-emitter Voltage BV_{CEO}	80V
Emitter-collector Voltage BV_{ECO}	7V
Collector Current	50mA
Power Dissipation	150mW

POWER DISSIPATION

Total Power Dissipation	250mW

ELECTRICAL CHARACTERISTICS (T_A = 25°C Unless otherwise noted)

PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F)		1.2	1.5	V	I_F = 10mA
	Reverse Current (I_R)			100	µA	V_R = 6V
Output	Collector-emitter Breakdown (BV_{CEO})	80			V	I_C = 0.1mA
	Emitter-collector Breakdown (BV_{ECO})	7			V	I_E = 100µA
	Collector-emitter Dark Current (I_{CEO})			50	nA	V_{CE} = 10V
Coupled	Current Transfer Ratio (CTR)	100	130		%	1mA I_F, 5V V_{CE}
	Collector-Emitter Saturation Voltage			0.4	V	10mA I_F, 2.4mA I_C
	Input to Output Isolation Voltage V_{ISO}	3750			V_{RMS}	See note 1
	Input-output Isolation Resistance R_{ISO}	10^{11}			Ω	V_{IO} = 500VDC (note 1)
	Output Rise Time (tr)		1.6		µs	V_{CC} = 5V,
	Output Fall Time (tf)		2.2	18	µs	I_C=2mA, R_L=100Ω

Note 1 Measured with input leads shorted together and output leads shorted together.