

Model Number

Parameters

Input Characteristics

	Sym.	Test Conditions	Units		1 Form A
LED Forward Current - Turn on	I_{Fon}	$I_L = 100mA, t = 10ms$	mADC	Max Typ	5.0 2.0
LED Forward Current - Turn off	I_{Foff}	$I_L = 0.2mA, V_L = (Note 1)$	mADC	Min Typ	0.1 1.8
Recommended Forward Current	I_F		mADC	Min Max	10 30
LED Forward Voltage	V_F	$I_F = 20mA$	VDC	Min Max	1.1 1.4

Maximum Input Ratings

LED Forward Current	I_F		mADC	Max	50
LED Reverse Voltage Withstand	V_R	$I_R = 10mA$		Max	10

Output Characteristics

Switching Voltage: AC Mode(Note2)	V_L	Pin 4 to Pin 6		Max	240 Vrms
Switching Voltage: DC Mode(Note2)	V_L	Pins 5(-) to Pins 4&6 (+)	V PEAK	Max	600 V
Switching Current: AC Mode(Note2)	I_L	Pin 4 to Pin 6	mA	Max	150mA
Switching Current: DC Mode(Note2)	I_L	Pins 5(-) to Pins 4&6 (+)	mA	Max	350mA
Current Limit: AC Mode(Note2)	I_{Lmt}	$I_F = 5mA, t = 5ms$	mA	Typ	n/a
Current Limit: DC Mode(Note2)	I_{Lmt}	$I_F = 5mA, t = 5ms$	mA	Typ	n/a
On Resistance: AC Mode(Note2)	R_{on}	$I_F = 5mA, I_L = 150mA$	Ω	Max	14
On Resistance: DC Mode(Note2)	R_{on}	$I_F = 5mA, I_L = 150mA$	Ω	Max	4.7
Off State Resistance	R_{off}	$I_F = 0mA, V_L = 600V$	$G\Omega$	Min Typ	0.5 5000
Off State Leakage	I_{off}	$I_F = 0mA, V_L = Max$	μA	Max	20
Turn On Time	T_{on}	$I_F = 5mA, I_L = 50mA$	ms	Max	5.0*
Turn Off Time	T_{off}	$I_F = 5mA, I_L = 50mA$	ms	Max	1.0
Capacitance - Across Output		$I_F = 0mA, V_L = 1V$	pF	Typ	170
		$I_F = 0mA, V_L = 25V$	pF	Typ	30
Thermal Offset Voltage		$I_F = 5mA$	mV	Typ	.25

General Characteristics

Dielectric Strength - Input to Output		$t = 60sec$	VRMS	Min	3750
Capacitance - Input to Output			pF	Typ	3
Power Dissipation	P_{Diss}		mW	Max	500

Notes:

1: V_L for LED Forward Current - Turn Off is 50 Volts less than "Switching Voltage : Max".

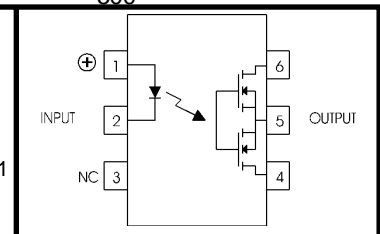
2: See "AC Mode and DC Mode Operation" on Page 67 for further description of AC and DC Mode.

3: Specifications subject to change without notice.

Schematic Top View:

Mold mark on top of relay indicates Pin #1

* $I_F = 10mA$

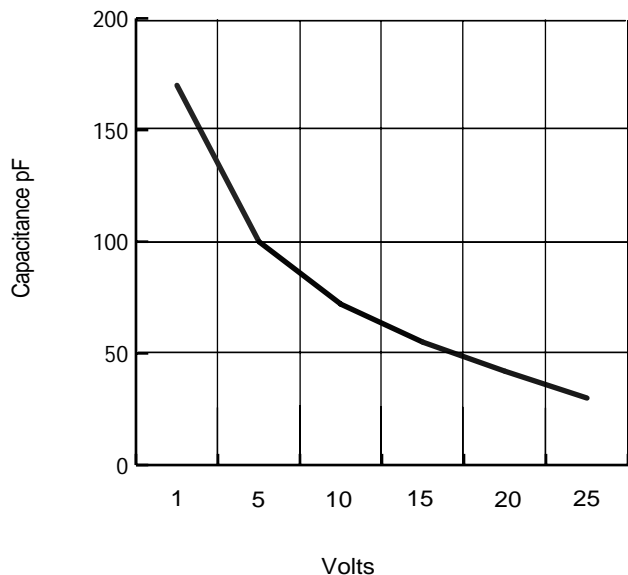


For recommended applications and more information contact:

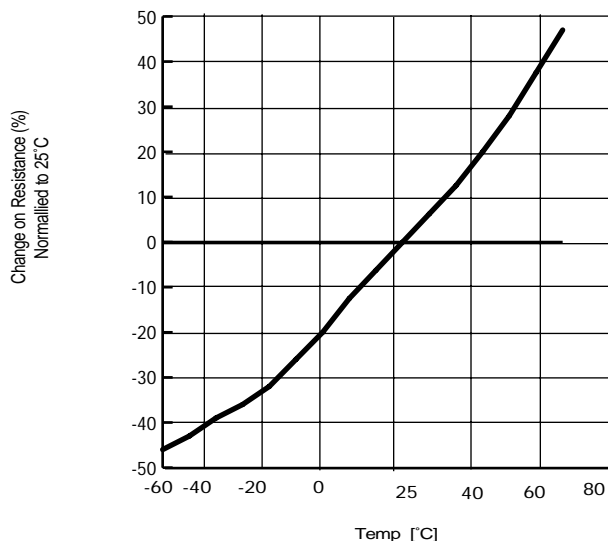
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Output Capacitance



(On Resistance Vs Temp)



Load Current vs Temperature

