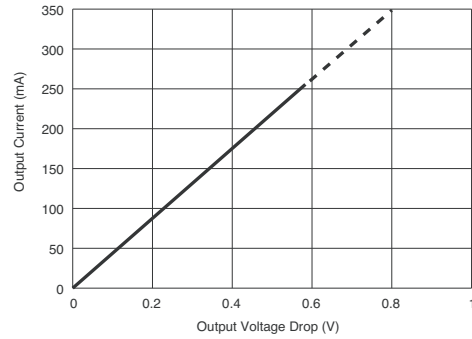


OUTPUT (LOAD) SPECIFICATION

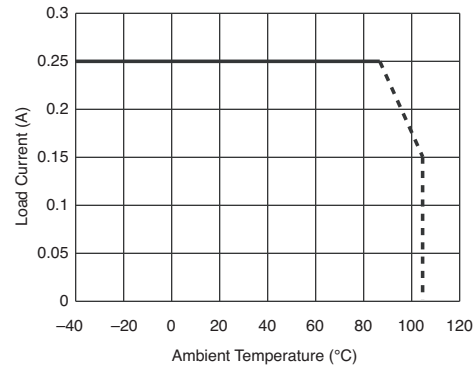
	Min	Max	Units
Load Voltage Rating		100	Vdc
Load Current Range (See Figure 5)	0.25		Adc
Transient Blocking Voltage		200	Vdc
Output Capacitance@ 25Vdc		120	pF
On-State Voltage Drop (See Figure 4)	1.25		Vdc
On Resistance		5.0	Ohm
Off-State Leakage Current (100 Vdc)		10	μAdc
Turn-On Time		0.5	ms
Turn-Off Time		2.5	ms



OUTPUT CURRENT VS. VOLTAGE DROP
Figure 4

ENVIRONMENTAL SPECIFICATION

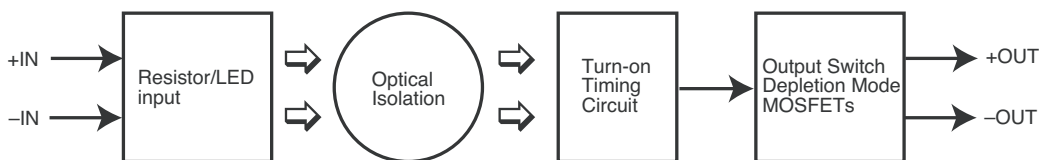
	Min	Max	Units
Operating Temperature	-40	+85	°C
Storage Temperature	-55	+100	°C
Junction Temperature		125	°C
Thermal Resistance (Junction to Ambient) each relay		120	°C/W
Shock		1500	g
Vibration		100	g
Dielectric Strength	500		Vac
Insulation Resistance (@500 Vdc)	10 ⁹		Ohm
Input to Output Capacitance		5	pF
Resistance to			
Soldering Heat	MIL STD 202, method 210		
Solderability	MIL STD 202, method 208		
Thermal Shock	MIL STD 202, method 107		
Altitude	55,000		ft
HAST	JDEC Test Method A110 130°C 85% RH, no power applied, 50 hours		



LOAD CURRENT VS. AMBIENT TEMPERATURE
Figure 5

NOTES:

1. For input voltages greater than 7 volts, use an external resistor in series with the relay input. $R_{ext.} = (V_{in} - 7 \text{ Vdc}) / 0.012 \text{ Amps}$
2. Unless otherwise specified: conformance testing is at room temperature; the input voltage is 5Vdc or zero volts as required; the output load is 48Vdc, 0.25 amp.
3. Relay input voltage transitions should be less than 1.0 millisecond.
4. Maximum load current ratings are with the relay in free air and soldered to a printed circuit board.
5. Timing is measured from the input voltage transition to the 10% or 90% point on the output voltage off-to-on or on-to-off transition. Rise and fall times are from the 10% to 90% points on the output voltage transition.



FUNCTIONAL BLOCK DIAGRAM

Figure 6