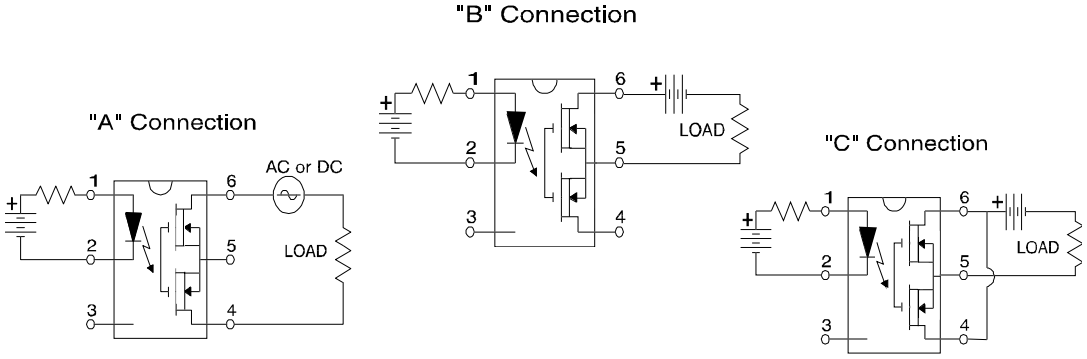
Electrical Specifications ($-40^{o}C \leq T_A \leq +85^{o}C$ unless otherwise specified)

INPUT CHARACTERISTICS	Limits	Units
Min. Control Current (See Fig.1)	3.0	mA
Control Current Range (Caution: current limit input LED, see Fig.6)	3.0 to 25	mA
Max. Reverse Voltage	7.0	V

OUTPUT CHARACTERISTICS		Limits	Units
Operating Voltage Range		0 to ±400	$V_{(DC\ or\ AC\ peak)}$
Max. Load Current @ T_A=+40°C (See Fig.1)	"A" Connection	170	mA (AC or DC)
	"B" Connection	185	mA (DC)
	"C" Connection	300	mA (DC)
Max. On-State Resistance @T_A=+25°C For 50mA Pulsed Load, 5mA Control (See Fig.4)	"A" Connection	16	Ω
	"B" Connection	14	Ω
	"C" Connection	7	Ω
Max. Off-State Leakage @T_A=+25°C, ±400V (See Fig.5) @ 5mA Control		1.0	µA
Max. Turn-On Time @T_A=+25°C (See Fig. 7) For 50mA, 100 V_{DC} Load, 5mA Control		2.0	ms
Max. Turn-Off Time @T_A=+25°C (See Fig. 7) For 50mA, 100 V_{DC} Load, 5mA Control		3.0	ms
Max. Output Capacitance @ 50V_{DC} (See Fig. 2)		50	pF

GENERAL CHARACTERISTICS		Limits	Units
Min. Dielectric Strength, Input-Output		4000	V_{RMS}
Min. Insulation Resistance, Input-Output @T_A=+25°C, 50%RH, 100V_{DC}		10^{12}	Ω
Max. Capacitance, Input-Output		1.0	pF
Max. Pin Soldering Temperature (10 seconds max.)		+260	°C
Ambient Temperature Range:	Operating	-40 to +85	°C
	Storage	-40 to +100	°C

Connection Diagrams



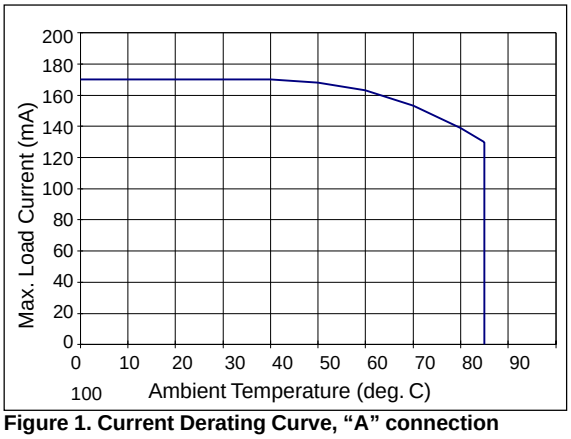


Figure 1. Current Derating Curve, "A" connection

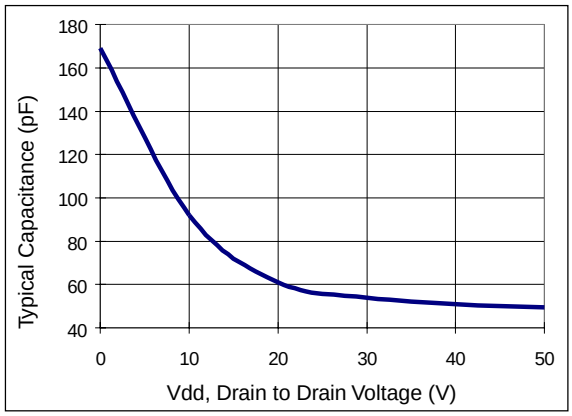


Figure 2. Typical Output Capacitance

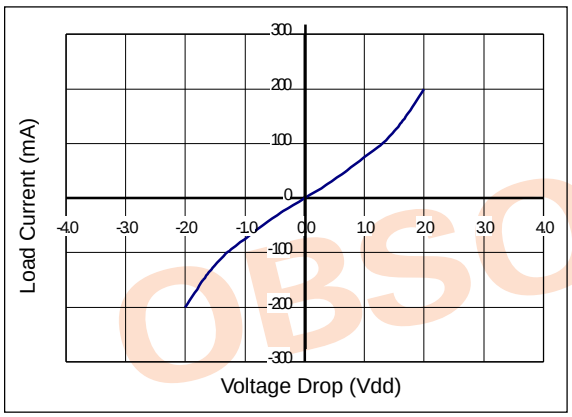


Figure 3. Linearity Characteristics, "A" connection

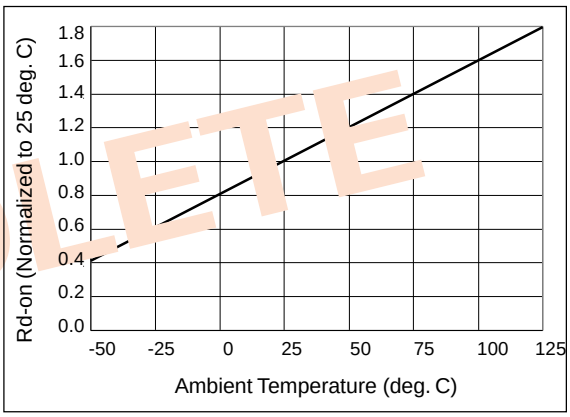


Figure 4. Typical Normalized On-Resistance; "A" conn

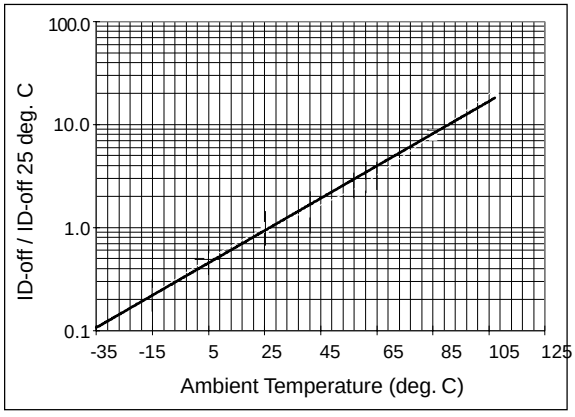


Figure 5. Typical Normalized Off-State Leakage

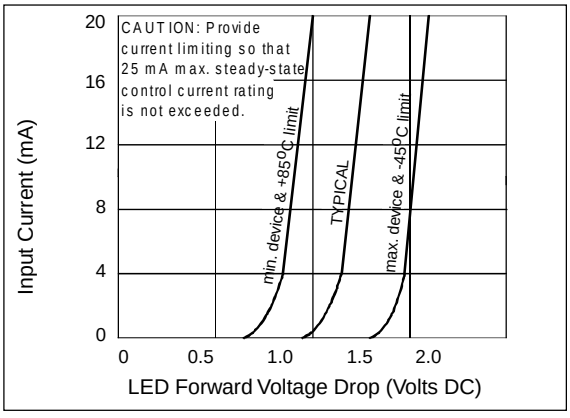


Figure 6. Input Characteristics (Current Controlled)

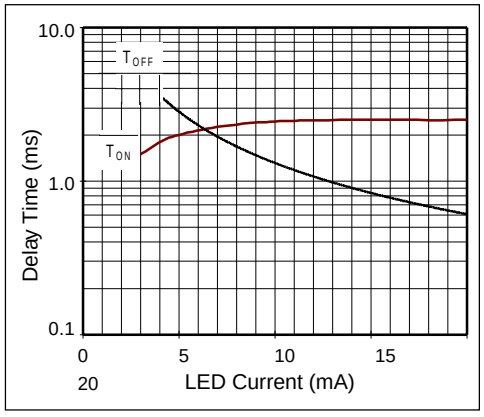


Figure 7. Typical Delay Times

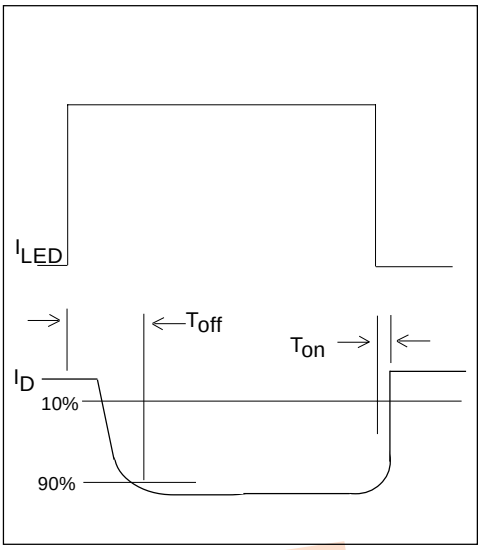
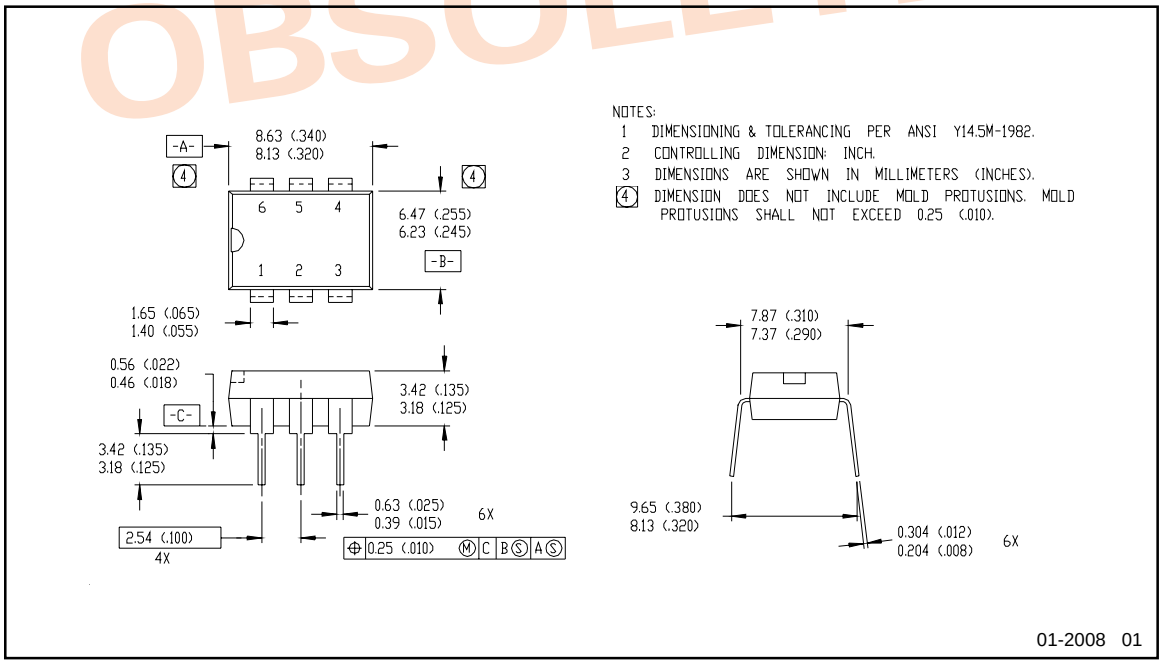


Figure 8. Delay Time Definitions

Case Outline



Case Outline