



## DO SERIES

PCB MOUNT



### Features

- Mini-SIP SSR
- Ratings to 1A @ 60 VDC
- Bi-polar Transistor Output
- DC Control
- Normally Open or Normally Closed Output



### PRODUCT SELECTION

<b>Control Voltage</b>	<b>1A</b>
<b>3-9 VDC</b>	DO061A, DO061A-B
<b>1.7-9 VDC</b>	DO061B, DO061B-B



### SPECIFICATIONS

#### Output<sup>(1)</sup>

Description	Parameters
<b>Operating Voltage Range (47-63Hz) [Vdc]</b>	3-60
<b>Maximum Off-State Leakage Current @ Rated Voltage [<math>\mu</math>A]</b>	200
<b>Maximum Load Current [Adc]</b>	1.0
<b>Minimum Load Current [Adc]</b>	0.02
<b>Maximum Surge Current [Adc]</b>	5 (1 sec)
<b>Maximum On-State Voltage Drop @ Rated Current <sup>(2)</sup></b>	1.5
<b>Maximum Power Factor (with Maximum Load)</b>	0.5

## Input <sup>(1)</sup>

Description	D0061A	D0061B
Control Voltage Range	3-9 VDC	1.7-9 VDC
Must Turn On Voltage	3.0 VDC	1.7 VDC
Must Turn Off Voltage	1.0 VDC	0.8 VDC
Typical Input Current @ 5 VDC	15 mAdc	15 mAdc
Nominal Input Impedance	1800 Ohm	270 Ohm
Maximum Turn-On Time [μsec]	50	50
Maximum Turn-Off Time [μsec]	50	150

## General

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz) <sup>(3)</sup>	4000 Vrms
Minimum Insulation Resistance (@ 500 VDC) <sup>(3)</sup>	10 <sup>9</sup> Ohm
Maximum Capacitance, Input/Output	8 pF
Ambient Operating Temperature Range	-30° to 80°C
Ambient Storage Temperature Range	-30° to 125°C
Weight (typical)	0.15 oz. (4.3 g)
Encapsulation	Thermally Conductive Epoxy



## WIRING DIAGRAM <sup>(4)</sup>

