

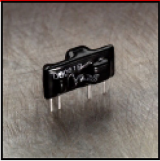


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## Solid State Relays - PCB Mount: DO/DMO



### Features

- Bipolar transistor output (DO) • FET output (DMO) • 1-3.0Amp • 3-60 VDC • DC Switching • Mini-SIP • DC control • Low profile package.

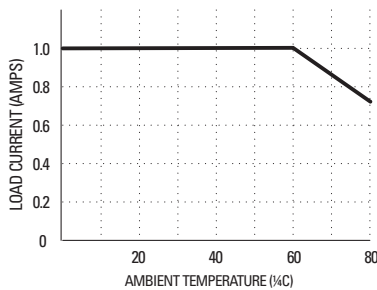
Product	INPUT SPECIFICATIONS	OUTPUT SPECIFICATIONS			
	Control Voltage Range	Load Current	Switching Voltage Type	Turn On	Load Voltage Range
<b>DMO063</b>	3-10 Volts DC	0-3 Amps DC	DC	N/A	0-60 Volts DC
<b>DO061A</b>	3-9 Volts DC	0.02-1 Amps DC	DC	N/A	3-60 Volts DC
<b>DO061B</b>	1.7-9 Volts DC	0.02-1 Amps DC	DC	N/A	3-60 Volts DC
<b>DO061A-B</b>	3-9 Volts DC	0.02-1 Amps DC	DC	N/A	3-60 Volts DC
<b>DO061B-B</b>	1.7-9 Volts DC	0.02-1 Amps DC	DC	N/A	3-60 Volts DC

- Compact for High Density PCB Mount
- DC Control, DC Output
- Bipolar (DO) or MOSFET (DMO) Output
- 3-10 Vdc Logic Compatible Input
- Crydom's Patented Design

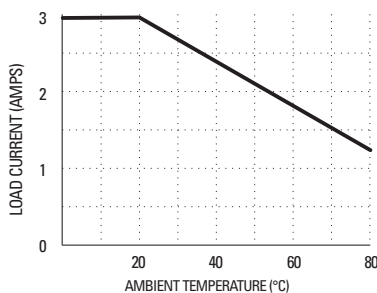
SPST-NO DC output relays in epoxy-coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output rated at 3A/60 VDC.

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

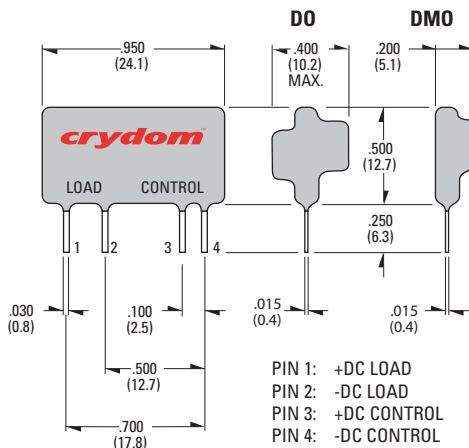
## CURRENT DERATING CURVES



DO Max. Load Current vs. Temp.



DMO Max. Load Current vs. Temp.



	MODEL NO.	DO061A <sup>④</sup>	DO061B <sup>④</sup>	DMO063 <sup>④</sup>
<b>INPUT SPECIFICATIONS <sup>①</sup></b>				
Control Voltage Range		3.0-9.0 Vdc	1.7-9.0 Vdc	3.0-10.0 Vdc
Nominal Input Impedance		270 Ohm	270 Ohm	200 Ohm
Typical Input Current @ 5 Vdc		15 mA <sub>dc</sub>	15 mA <sub>dc</sub>	20 mA <sub>dc</sub>
Must Turn On Voltage		3.0 Vdc	1.7 Vdc	3.0 Vdc
Must Turn Off Voltage		1.0 Vdc	0.8 Vdc	1.0 Vdc
<b>OUTPUT SPECIFICATIONS <sup>①</sup></b>				
Operating Voltage Range		3-60 Vdc	3-60 Vdc	0-60 Vdc
Load Current Range		.02-1.0 Adc		0-3.0 Adc
Max. Surge Current		5.0 Adc (1 Sec)		12.0 Adc(10 ms)
Max. Off-State Leakage @ Rated Voltage		200 μAdc		100 μAdc
Max. On-State Voltage Drop @ Rated Current		1.5 Vdc		0.4 Vdc <sup>②</sup>
Max. Turn-On Time		50 μsec	50 μsec	50 μsec
Max. Turn-Off Time		50 μsec	150 μsec	300 μsec
<b>GENERAL SPECIFICATIONS</b>				
Dielectric Strength <sup>③</sup>		4000 Vrms		2500 Vrms
Insulation Resistance (Min.) @ 500 Vdc <sup>③</sup>		10 <sup>9</sup> Ohm		10 <sup>9</sup> Ohm
Max. Capacitance (Input/Output)		8.0 pF		8.0 pF
Ambient Operating Temperature Range		-30 to 80°C		-30 to 80°C
Ambient Storage Temperature Range		-30 to 125°C		-30 to 125°C

## MECHANICAL SPECIFICATIONS

Weight: (typical)	0.15 oz. (4.3 g)
Encapsulation:	Thermally Conductive Epoxy

## GENERAL NOTES

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- ① All parameters at 25°C unless otherwise specified.
- ② Typical On-State Resistance = .13
- ③ Dielectric and insulation resistance are measured between input and output.
- ④ Inductive loads should be diode suppressed.