

# Series DO, DMO

1-3.0 Amp • 60 Vdc • DC Output MINI-SIP

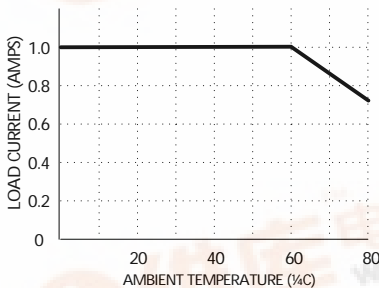
SPST-NO DC output relays in epoxy-coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output rated at 3A/60 VDC.

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

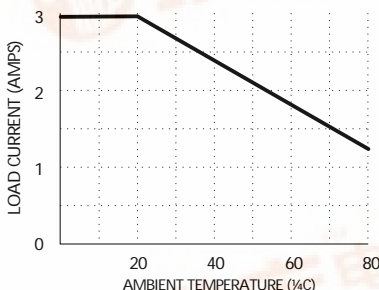


- Compact for High Density PCB Mount
- DC Control, DC Output
- Bipolar (DO) or MOSFET (DMO) Output
- 3-10 Vdc Logic Compatible Input
- Crydom's Patented Design

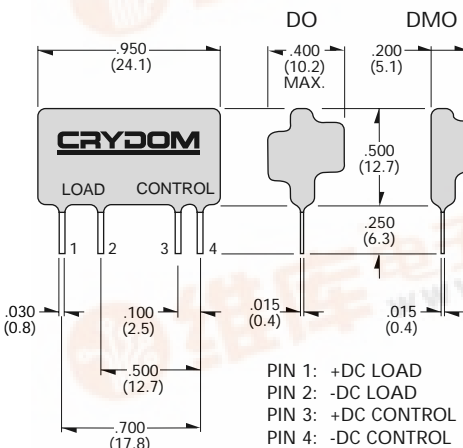
## CURRENT DERATING CURVES



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 ①</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 ①</b>			
Operating Voltage Range	3-60 Vdc	3-60 Vdc	0-60 Vdc
Load Current Range	.02-1.0 Adc	.02-1.0 Adc	0-3.0 Adc
Max. Surge Current	5.0 Adc (1 Sec)	5.0 Adc (1 Sec)	12.0 Adc (10 ms)
Max. Off-State Leakage @ Rated Voltage	200 µAdc	200 µAdc	100 µAdc
Max. On-State Voltage Drop @ Rated Current	1.5 Vdc	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

<b>MECHANICAL SPECIFICATIONS</b>	
Weight: (typical)	0.15 oz. (4.3 g)
Encapsulation:	Thermally Conductive Epoxy

©2002 CRYDOM CORP, Specifications subject to change without notice.

- GENERAL NOTES**
- 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.

