Series DO, DMO

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

- **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**

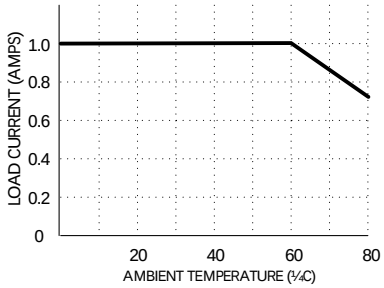
SPST-NO DC output relays in epoxy-coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output rated at 3A/60 VDC.

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

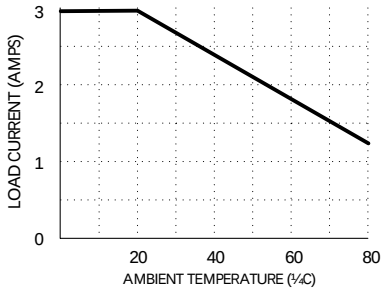
CRYDOM

Control over power

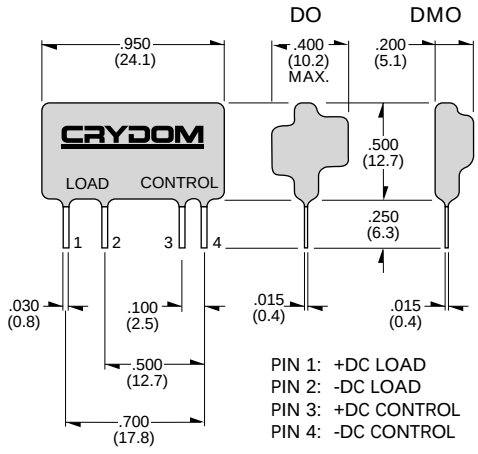
CURRENT DERATING CURVES



DO Max. Load Current vs. Temp.



DMO Max. Load Current vs. Temp.



MODEL NO.	DO061A④	DO061B④	DMO063④
INPUT SPECIFICATIONS ①			
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 mAdc	15 mAdc	20 mAdc
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
OUTPUT SPECIFICATIONS ①			
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 ②
Max.Turn-On Time	50 µsec	50 µsec	50 µsec
Max. Turn-Off TIme	50 µsec	150 µsec	300 µsec
GENERAL SPECIFICATIONS			
Dielectric Strength ③	4000 Vrms		2500 Vrms
Insulation Resistance (Min.) @ 500 Vdc ③	10^9 Ohm		10^9 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

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.

For recommended applications and more information contact:
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ISO 9001 CERTIFIED