



Series DO, DMO

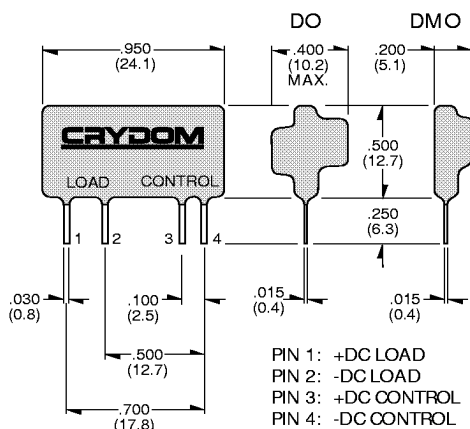
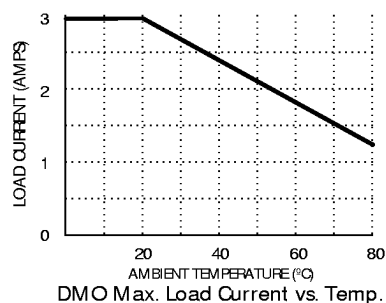
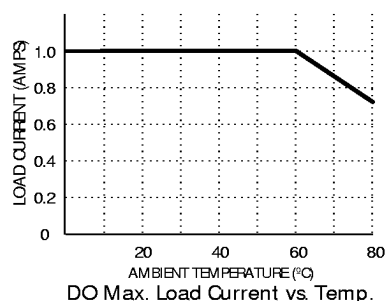
1-3.0 Amp • 60 Vdc • DC Output MINI-SIP

- 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.

CURRENT DERATING CURVES



MODEL NO.	DO061A ^④	DO061B ^④	DMO063 ^④
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 mA _{dc}	15 mA _{dc}	20 mA _{dc}
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 A _{dc}	.02-1.0 A _{dc}	0-3.0 A _{dc}
Max. Surge Current	5.0 A _{dc} (1 Sec)	5.0 A _{dc} (1 Sec)	12.0 A _{dc} (10 ms)
Max. Off-State Leakage @Rated Voltage	200 μA _{dc}	200 μA _{dc}	100 μA _{dc}
Max. On-State Voltage Drop @Rated Current	1.5 Vdc	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	4000 Vrms	2500 Vrms
Insulation Resistance (Min.) @500 Vdc ③	10 ⁹ Ohm	10 ⁹ Ohm	10 ⁹ Ohm
Max. Capacitance (Input/Output)	8.0 pF	8.0 pF	8.0 pF
Ambient Operating Temperature Range	-30 to 80°C	-30 to 80°C	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125°C	-30 to 125°C	-30 to 125°C

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

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GENERAL NOTES

- ① All parameters at 25°C unless otherwise specified.
- ② Typical On-State Resistance = .13Ω
- 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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