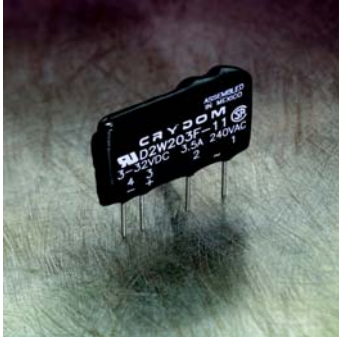


## D2W Series



- SIP SSR
- Ratings to 3.5A @ 280 VAC
- DC control
- Zero-crossing (resistive loads) output
- Internal snubber network

### PRODUCT SELECTION

Control Voltage	2A	3A	3.5A
3-32 VDC	D2W202F	D2W203F	D2W203F-11

### OUTPUT SPECIFICATIONS (1)

Description	2A	3A	3.5A
Operating Voltage (47-63Hz) [Vrms]	24-280	24-280	24-280
Transient Overvoltage [Vpk]	600	600	600
Maximum Off-State Leakage Current @ Rated Voltage [mArms]	8	8	8
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (3)	200	200	200
Maximum Load Current [Arms]	2	3	3.5
Minimum Load Current [Arms]	0.06	0.06	0.06
Maximum Surge Current (16.6ms) [Apk]	28	70	80
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.4	1.4	1.4
Minimum Power Factor (with Maximum Load)	0.5	0.5	0.5

### INPUT SPECIFICATIONS (1)

Description	Parameters
Control Voltage Range	3-32 VDC
Must Turn On Voltage	3.0 VDC
Must Turn Off Voltage	1.0 VDC
Typical Input Current @ 5 VDC	3.0 mAdc
Nominal Input Impedance	1500 Ohm
Maximum Turn-On Time [msec]	1/2 Cycle
Maximum Turn-Off Time [msec]	1/2 Cycle

### GENERAL SPECIFICATIONS

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz)(2)	4000 Vrms
Minimum Insulation Resistance (@ 500 VDC)(2)	10 <sup>9</sup> Ohm
Maximum Capacitance, Input/Output	10 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125°C
Weight (typical)	0.6 oz. (17g)
Encapsulation	Thermally Conductive Epoxy

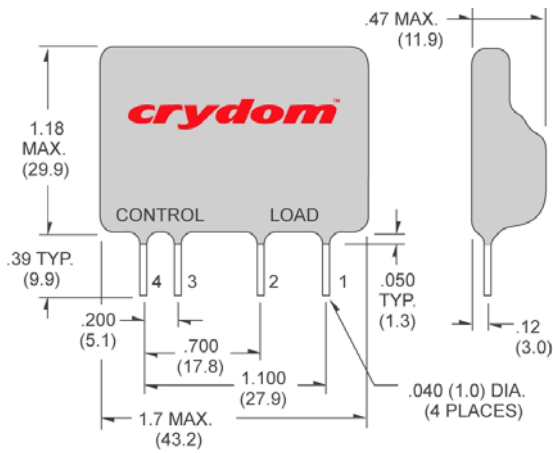
### GENERAL NOTES

- 1) All parameters at 25°C unless otherwise specified.
- 2) Dielectric and insulation resistance are measured between input and output
- 3) Off-State dv/dt test method per EIA/NARM standard RS



# DataSheet PCB Mount

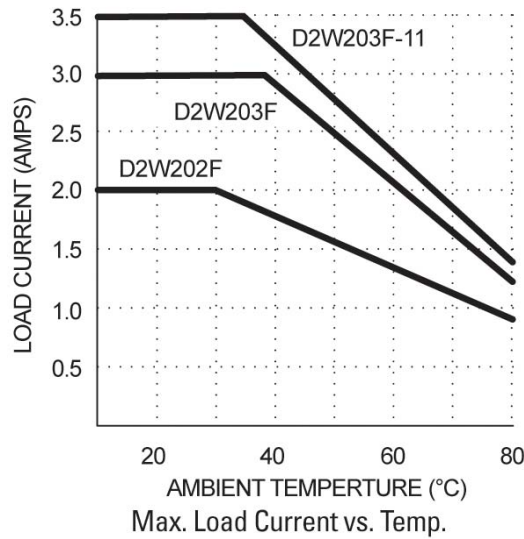
## MECHANICAL SPECIFICATIONS



- PIN 1: AC LOAD
- PIN 2: AC LOAD
- PIN 3: +DC CONTROL
- PIN 4: -DC CONTROL

All dimensions are in inches (millimeters)

## THERMAL DERATE INFORMATION



## AGENCY APPROVALS

UL E116950  
 CSA LR81689  
 CE

Rev. 061608