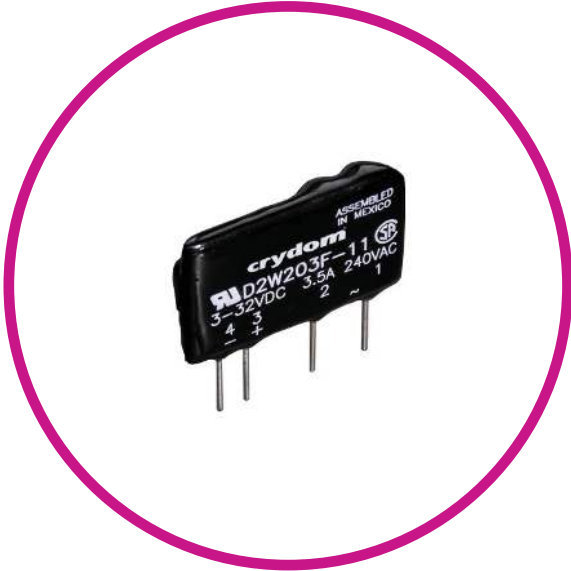




## | D2W SERIES

PCB MOUNT



### Features

- SIP SSR
- Ratings to 3.5 A @ 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



### SPECIFICATIONS

#### Output <sup>(1)</sup>

Description	2A	3A	3.5A
Output Voltage (47-63Hz) [Vrms]	24-280	24-280	24-280
Transient Overvoltage [Vpk]	600	600	600
Maximum Off-State Leakage Current @ Rated Voltage [mA]	8	8	8
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] <sup>(3)</sup>	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 <sup>(1)</sup>

Description	Parameters
Control Voltage Range	3.5-32 VDC
Must Turn On Voltage	3.0 VDC
Must Turn On Voltage	1.0 VDC
Typical Input Current @ 5 VDC	3.0 mA
Nominal Input Impedance	1500 Ohm
Maximum Turn-On Time [msec]	½ Cycle
Maximum Turn-Off Time [msec]	½ Cycle

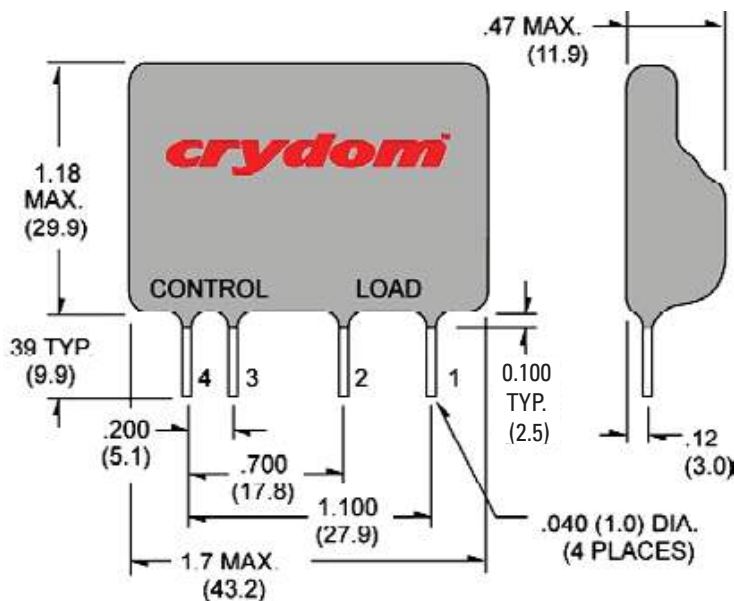
## General

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz) <sup>(2)</sup>	4000 Vrms
Minimum Insulation Resistance (@500 VDC) <sup>(2)</sup>	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



## DIMENSIONS

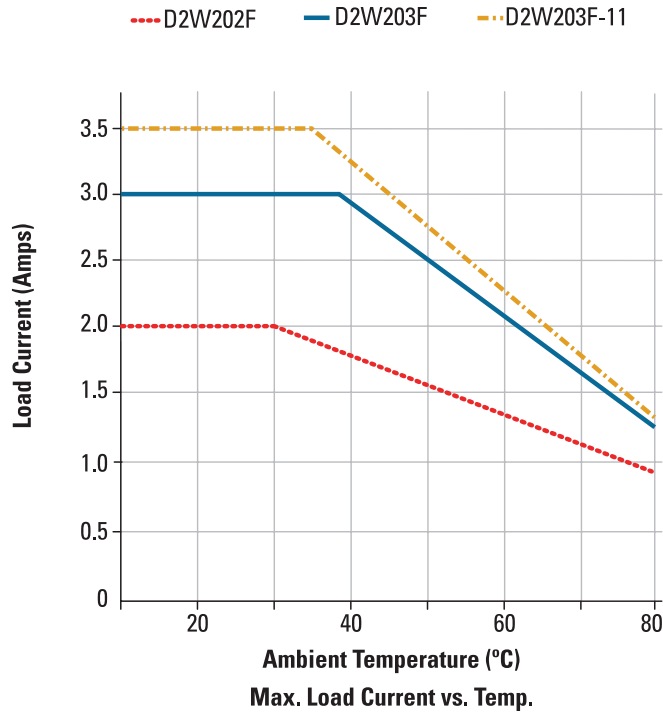
Tolerance, unless otherwise noted: ±0.02 in / 0.5 mm  
All dimensions are in inches [millimeters]



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



## THERMAL DERATE INFORMATION



## GENERAL NOTES

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



## AGENCY APPROVALS & CERTIFICATIONS



## WARNINGS



### RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
  - Follow proper mounting instructions including torque values
  - Do not allow liquids or foreign objects to enter this product
- Failure to follow these instructions can result in serious injury, or equipment damage.**



### HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
  - Verify all connections and replace all covers before turning on power
- Failure to follow these instructions will result in death or serious injury.**

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