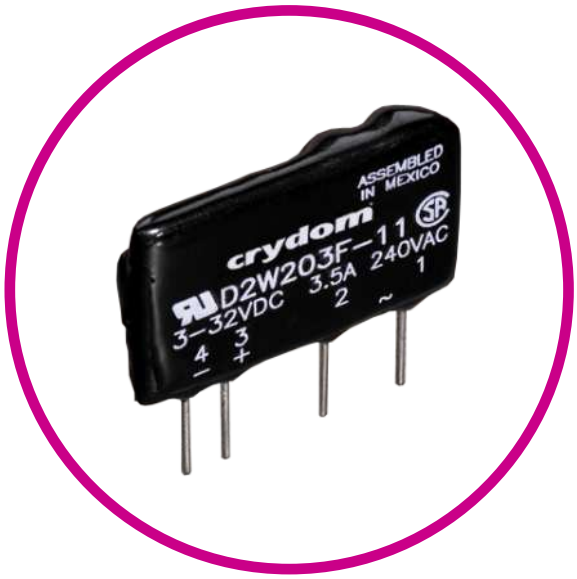
| D2W SERIES

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 [1]

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][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

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Input [1]

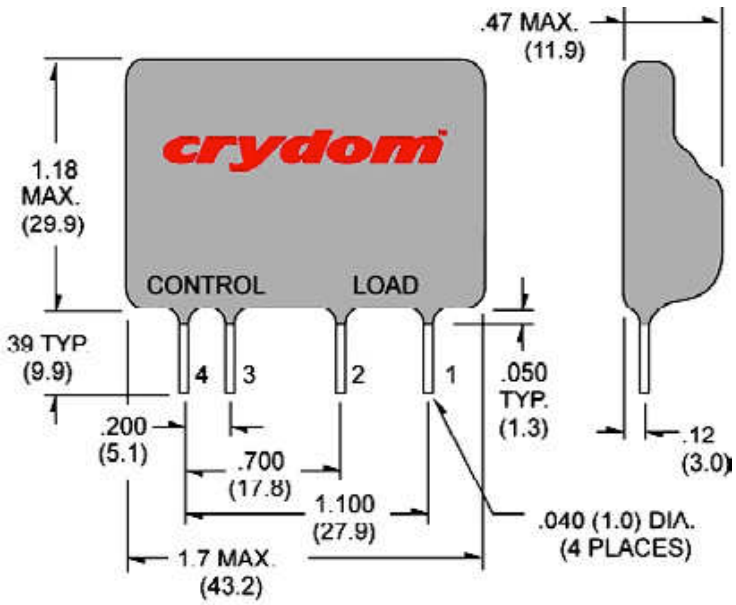
Description	Parameters
Control Voltage Range	3.5-32 VDC
Must Turn On Voltage	3.0 VDC
Must Turn On Voltage	1.0 VDC
Typical Input Current @ 5 VDC	3.0 mA
Nominal Input Impedance	1500 Ohm
Maximum Turn-On Time [msec]	½ Cycle
Maximum Turn-Off Time [msec]	½ Cycle

General

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz) [2]	2500 Vrms
Minimum Insulation Resistance (@500 VDC) [2]	10^9 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

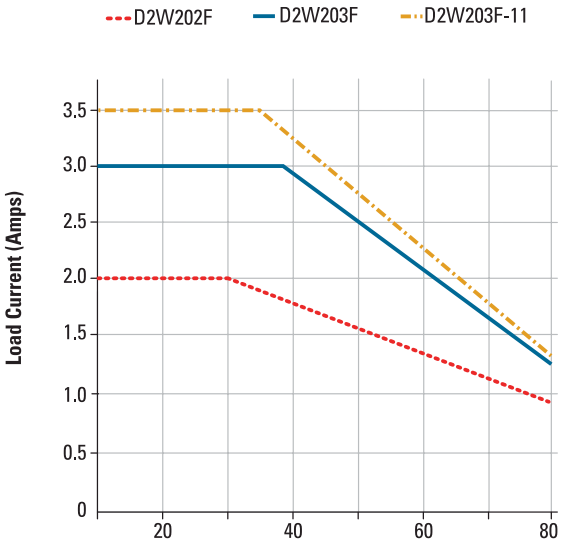
Tolerance, unless otherwise noted: ±0.02 in / 0.5 mm
All dimensions are in inches [millimeters]



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

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THERMAL DERATE INFORMATION



Max. Load Current vs. Temp.

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

AGENCY APPROVALS & CERTIFICATIONS

LR81689 E116950

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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