

# DC - DC SSR CARD

## SHORT-CIRCUIT PROTECTED

### Key Features

- Hydraulic / Pneumatic valve driver
- Short-circuit / Over-load protected
- Over temperature protected
- Input control voltage - 5VDC - 50VDC / < 2mA
- Load voltage - 12VDC - 45VDC
- Load current - 2.5A continues / 4A Inrush
- NPN & PNP Control compatible
- Individual channel fault protection with LED indicator
- Operation frequency - 500 Hz max.
- Signal to Load isolation - 5KV / 1min.
- Conformal coated PCB for better resistance to environment



### Models

Part No.	Channels	Dimensions	Weight
SSR2CH	2 Channels	89mm x 25mm	40 gms.
SSR4CH	4 Channels	89mm x 35mm	55 gms.
SSR8CH	8 Channels	89mm x 58mm	80 gms.

### Fault LED operation

Operation	Control	Fault LED
Normal	OFF	OFF
	ON	OFF
Open Load	OFF	ON
	ON	OFF
Over current	OFF	ON
	ON	ON

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## Technical Specification

Control Voltage	5VDC to 50VDC
Control current	<2 mA
Load Voltage	12VDC to 45VDC
Load current (Continues)	2.5A
Load current (Inrush)	4A
Over current protection	4.3A
Over load duration	2 ms
Thermal shutdown	170°C
Operating Freq. max	500 Hz
Turn on delay	35µs
Turn off delay	40µs
On-state resistance	70mohm @ 25°C
Isolation voltage	>5KV for 1 min.

## Wiring Diagram

