



# PELTIER DC REVERSING SOLID STATE RELAY



**PART NUMBER:**  
SSR25A-CH-DC200V-DCREV

**FEATURES:**  
25 amp • 200VDC maximum peltier load (5KW) • MOSFET output wired in H-Bridge configuration • Input control for heat and cool • LED indication • Built-in interlock for DC voltage reversal • Terminal cover included

**MECHANICAL DRAWING**

Dimensions: 53.50 (width), 105 (height), 92.00 (height to top terminals), 47.60 (width to center), 73.50 (width to bottom terminals), 23.0 (height to top terminals), 40.0 (height to bottom terminals), 35.0 (height to bottom terminals), 39.50 (height to bottom terminals), 37.00 (height to bottom terminals).

**DERATING CURVE\***  
\*WITH APPROPRIATE HEATSINK

Ambient Temperature (°C)	Current (AMPS)
0	25
10	25
20	25
30	25
40	25
50	22
60	18
70	15
80	12

## SPECIFICATIONS:

	PARAMETER	SYMBOL	UNIT	INFORMATION
INPUT	Input Voltage Range		Vdc	4 - 24
	Maximum Pickup Voltage		Vdc	4
	Control Current Range		mA	6 - 30
	Drop-Out Voltage		Vdc	1.0
	Input Interlocking Current Range @ 24Vdc		mA	20
	LED indication for Forward & Reverse			Yes
	Reverse Polarity Protection			Yes
OUTPUT	Load Voltage		Vdc	200
	Rated Load Current		A	25
	Minimum Load Current to Maintain 'ON'		mA	100
	Non-Repetative Peak Surge Current (1 cycle)		A	50
	Typical RMS On-state voltage drop across SSR O/P at rated current (V <sub>tm</sub> )		Vdc	1.25
	Maximum Off-State Leakage Current at Rated Voltage (I <sub>drm</sub> )		mA	12
	Maximum Turn-On Time		mSec	600
	Maximum Turn-Off Time		mSec	2600
	Operating Temperature		°C	-30 to + 80
	Storage Temperature		°C	- 30 to + 100
	Thermal Resistance Junction to Case		°C/W	1.25