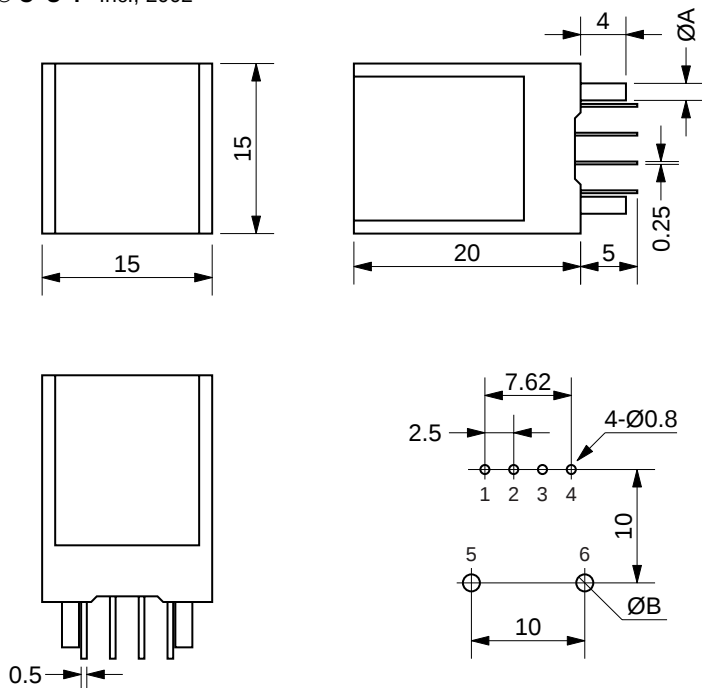




Pin Assignments

Pin#	1	+12V
	2	NC
	3	Output
	4	0V
	5	Input (+)
	6	Input (-)

Mounting Hole Dimensions

Model	ØA	ØB
SCD03PSN	0.7	1.2
SCD05PSN	1.0	1.5
SCD10PSN	1.2	1.7
SCD15PSN	1.5	2.0
SCD20PSN	1.8	2.3

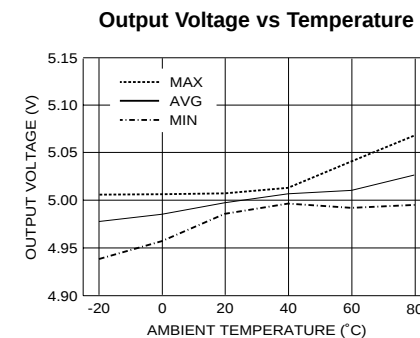
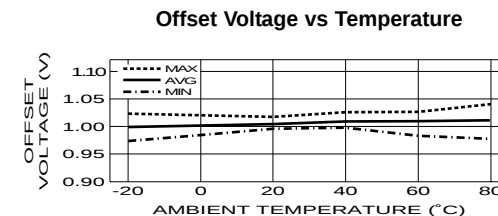
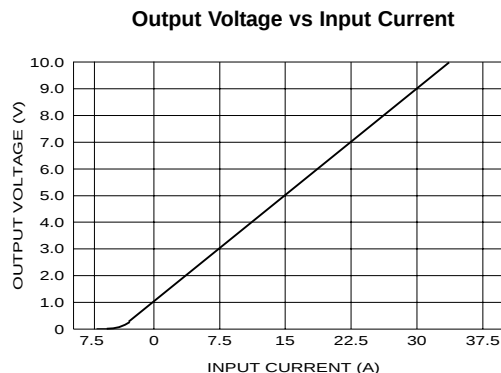
SPECIFICATIONS

(V_{CC} = +12V, R_L = 10kΩ, T_a = 25°C)

Model	SCD03PSN	SCD05PSN	SCD10PSN	SCD15PSN	SCD20PSN
Rated Current	+3A	+5A	+10A	+15A	+20A
Linearity Range	+6A	+10A	+20A	+30A	+40A
Output Voltage	5V ±0.8% @ Rated Current				
Zero Current Offset Voltage	1.0V ±30mV max. (after demagnetization)				
Output Voltage Linearity	± 0.5 % @ rated current				
Supply Voltage	+12V ±5%				
Max Current Consumption	+25mA max.				
Response	3 μS typ. @ 50 Amp/Turns/μS				
Output V Temp Char	± 0.1%/°C max. @ rated current				
Zero Current Offset V Temp Char	± 1.5mV/°C max.				
Hysteresis	15mV max. @ rated current to 0A				
Primary Overcurrent	10X rated current, 50 mS, no damage				
Withstand Voltage	2000 VAC, 50/60Hz, 1 minute between primary coil & terminal*				
Insulation Resistance	500 VDC between primary coil & terminal				
Operating Temp	-10° to +75° C				
Storage Temp	-30 to +90°C				

* "S" model available with 4500VAC, 50/60Hz, 1 minute between primary coil & terminal.

Characteristics of SCD15PSN



Ordering Information

SCD□□PSN

Current Rating:

03: 3A
05: 5A
10: 10A
15: 15A
20: 20A

Input Voltage:

A: ±15VDC
B: ±12VDC
S: +12VDC
T: ±5VDC
U: +5VDC

Input Current Polarity:

N: +(DC only)
R: ± (bipolar)



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DRAWN BY JAS	UPDATED 07/02/02	CHECKED 07/02/02	RELEASED
PART NO. SCDXXPSN			REV. A