

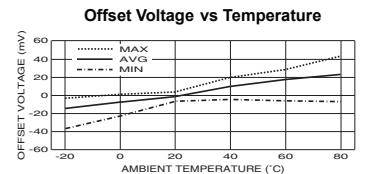
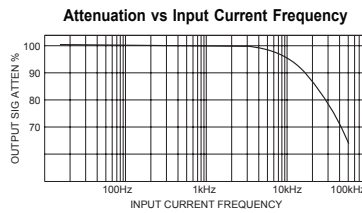
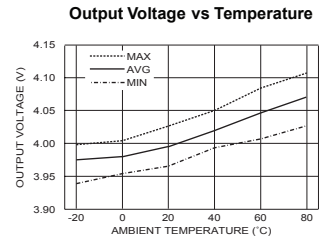
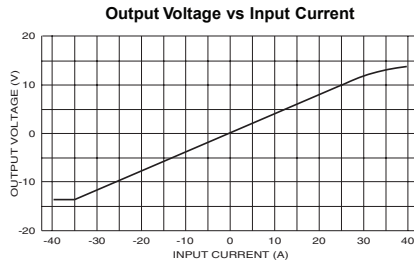
Pin Assignments

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

Mounting Hole Dimensions

Model	ØA	ØB
SCD03PBR	0.7	1.2
SCD05PBR	1.0	1.5
SCD10PBR	1.2	1.7
SCD15PBR	1.5	2.0
SCD20PBR	1.8	2.3

Characteristics of SCD10PBR



SPECIFICATIONS (Vcc = ±12V, RL = 10kΩ, Ta = 25°C)

Model	SCD03PBR	SCD05PBR	SCD10PBR	SCD15PBR	SCD20PBR
Rated Current	±3A	±5A	±10A	±15A	±20A
Linearity Range	±6A	±10A	±20A	±30A	±40A
Output Voltage	±4.0V ±1% @ Rated Current				
Zero Current Offset Voltage	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				

Ordering Information

SCD□□PBR

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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 Tualatin, OR 97062
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 800-275-4899
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 Website: www.cui.com

TITLE: current sensor	REV: A
PART NO. SCDXXPbR	UNITS: MM
DRAWN BY: JRH	APPROVED BY:
SCALE:	

REV. A	DESCRIPTION NEW DRAWING	DATE 05/15/2009
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