

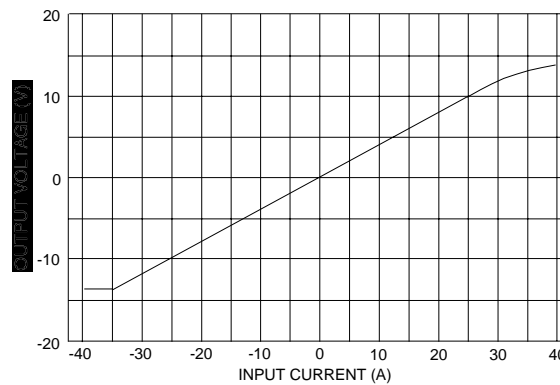
**Pin Assignments**

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

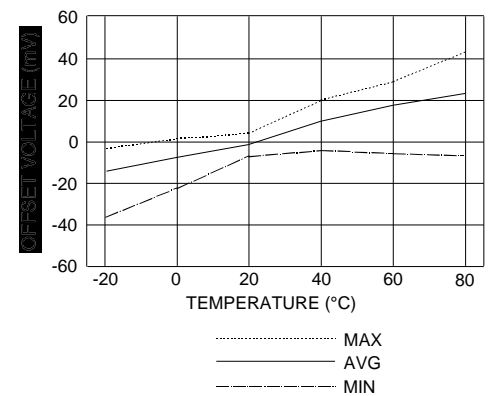
**Mounting Hole Dimensions**

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

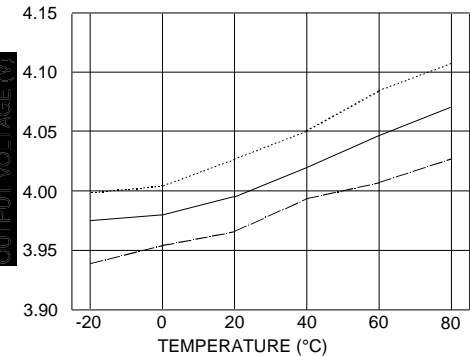
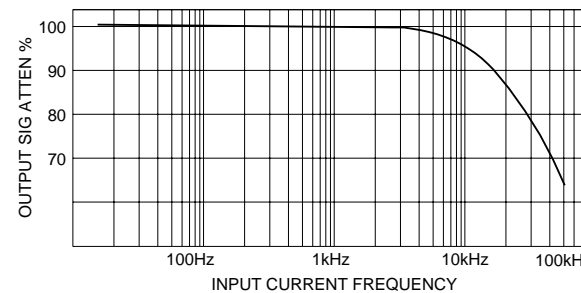
**Output Voltage vs Input Current**



**Offset Voltage vs Temperature**



**Signal Attenuation vs Input Current Frequency**



**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				

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

**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  
 Input Current Polarity: N: +(DC only), R: ± (bipolar)

 <p>CUI Stack, Inc. 9615 SW Allen Blvd., #103 Beaverton, OR 97005 Tel: 503/643-4899 FAX: 503/643-6129</p>	 <p>ACTUATOR &amp; SENSOR TECHNOLOGY</p>			
			DRAWN BY	UPDATED
PART NO.	<b>SCD-XX-PBR</b>			REV. <b>A</b>