

MOUNTING FOOTPRINT
(Viewed from mounting side)

Pin Assignments

Pin#	1	+15V
	2	-15V
	3	Output
	4	0V
	5	Input (+)
	6	Output (-)

Mounting Hole Dimensions

Model	ØA	ØB
SCD03PAR	0.7	1.2
SCD05PAR	1.0	1.5
SCD10PAR	1.2	1.7
SCD15PAR	1.5	2.0
SCD20PAR	1.8	2.3

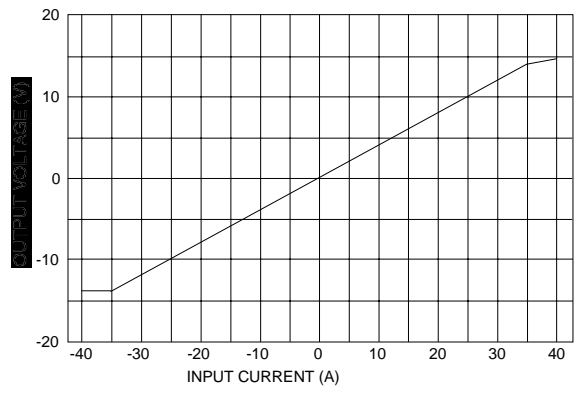
SPECIFICATIONS

(V_{cc} = ±15v, R_L = 10kΩ, T_a = 25°C)

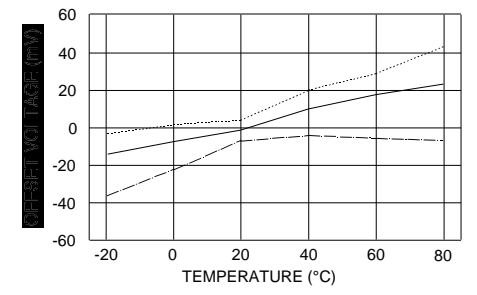
Model	SCD03PAR	SCD05PAR	SCD10PAR	SCD15PAR	SCD20PAR
Rated Current	±3A	±5A	±10A	±15A	±20A
Linearity Range	±9A	±10A	±20A	±30A	±40A
Output Voltage	4V ±1% @ Rated Current				
Zero Current Offset Voltage	0V ±30mV max. (after demagnetization)				
Output Voltage Linearity	± 0.5 % @ rated current				
Supply Voltage	±15V ±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	-15 to 85°C				

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

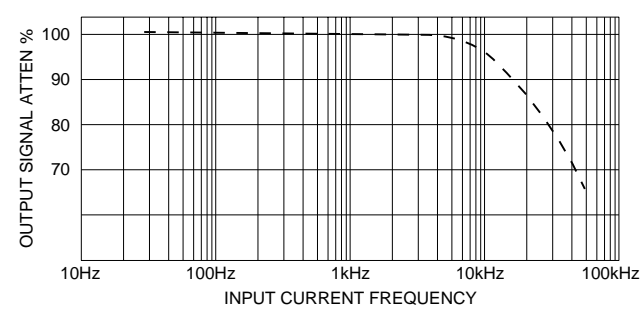
Output Voltage vs Input Current



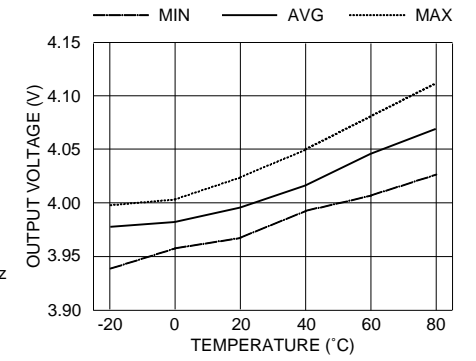
Offset Voltage vs Temperature



Signal Attenuation vs Input Current Frequency



Output Voltage vs Temperature



Ordering Information

SCD□□PAR

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)



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ACTUATOR & SENSOR TECHNOLOGY

DRAWN BY	UPDATED	CHECKED	RELEASED
PART NO. SCD-XX-PAR			REV. A