

-----SHAANXI SHINHOM ENTERPRISE CO.,LTD-----

**HBC-S Series Hall Effect Current Sensor**

HBC-S Series Hall Effect Current Sensor is insulation with Pri and Sec, Can be used to measure DC, AC pulse currents.

**ELECTRICAL CHARACTERISTICS: @25°C**

		HBC1000S	
Rated input current		1000	A
Test current range		2000	A
Test DCR	with±15V @±1000Amax	0(min) 30(max)	Ω
	@±1200Amax	0(min) 20(max)	Ω
	with±24V @±1000Amax	0(min) 75(max)	Ω
	@±2000Amax	0(min) 15(max)	Ω
Turns ratio		1:5000	Ω
Rated output current		200±0.5%	mA
power supply voltage		±15~±24	V
Offset current		±0.2	mA
Offset current drift	-40°C~85°C	±0.5	mA
Response time		<1	μs
Linearity		≤0.1	%FS
Insulation voltage	50HZ,1min	6	KV
di/dt		>100	A/μs
Band width (-3dB)		DC...150	KHz
Sec coil resistance		42	Ω
Operating temperature		-40~+85	°C
Storage temperature		-40~+125	°C

**PHYSICAL CHARACTERISTICS**

