

*i*powerC High Reliability Hall-Current Sensor

Low cost, Calibration free

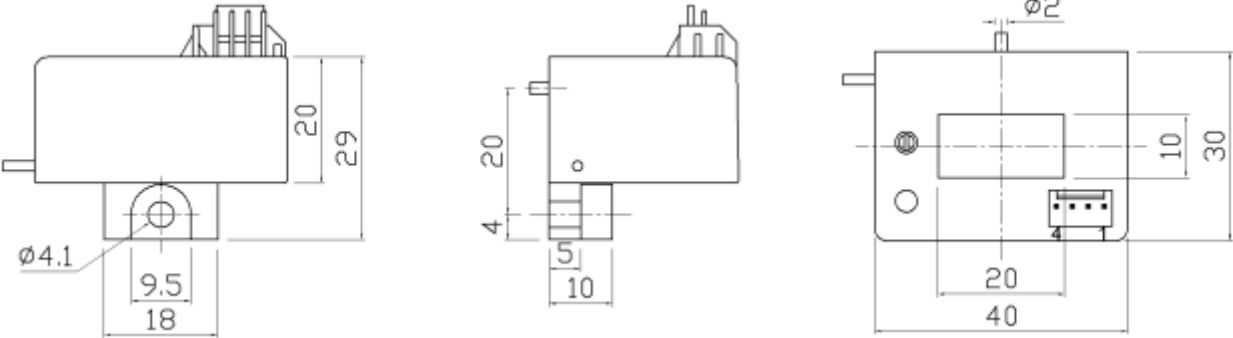
High Reliability type

Connector type (2510-4A, 4pin, pin gap 2.5mm)

1、Specifications (Ta = 25°C , Vcc= ± 15V)

Type		H03KC0050A	H03KC0100A	H03KC0200A	H03KC0300A	H03KC0400A
Parameters	Symbol					
Rated Current	If	50A	100A	200A	300A	400A
Linear Range	-	0~±100A	0~±200A	0~±400A	0~±600A	0~±800A
Output Voltage	Vof	4V±1% (Rated Current, RL=10KΩ)				
Noise Level	-	<1dB				
Offset Voltage	Vo	<±0.03V				
Output Linearity	-	<±1%				
Supply Voltage	Vcc	±15VDC				
Response Time	Tr	<2us				
Output Temperature drift	-	<±0.1 % /°C				
Offset Temperature Characteristic	-	<±1.0mv/°C				
Insulation Withstanding	-	AC 2500V for 1 minute				
High dv/dt Immunity	dv/dt	≥80kV/μs				
Insulation Resistance	-	500MΩ or more				
Operating Temperature	Top	-10°C ~ +80°C				
Storage Temperature	Tstg	-15°C ~ +90°C				
Reliability	-	MTBF is 800,000 hours. High temperature burn-in test,100%,80°C.				

2. DIMENSIONS(mm) and CONNECTOR FUNCTION



Connector Number	Connector Function
1	V+ (+15V)
2	V- (-15V)
3	OUTPUT
4	GND