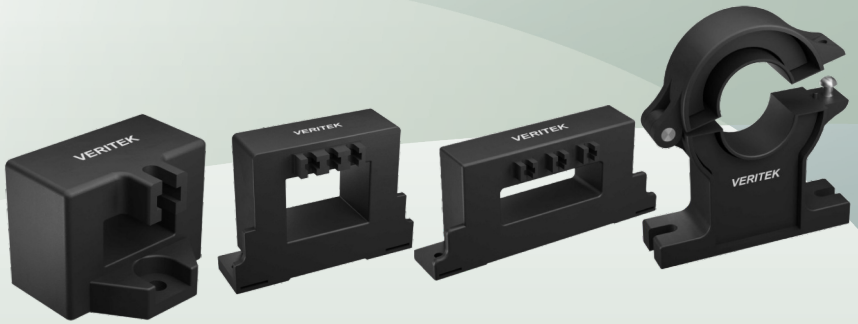


Features:

- ▶ Split core type
- ▶ Open loop current sensor
- ▶ Voltage output
- ▶ Panel mounting type



Advantages:

- ▶ Easy installation
- ▶ Low power consumption
- ▶ Good linearity
- ▶ Small size and space saving
- ▶ Wide current ratings range

Applications:

- ▶ Used for measurement of electric DC current
- ▶ UPS / SMPS /Solar /EV
- ▶ Battery supplied applications

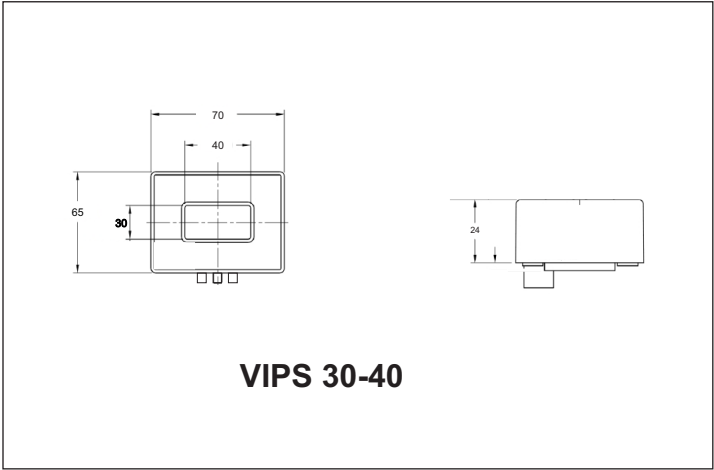
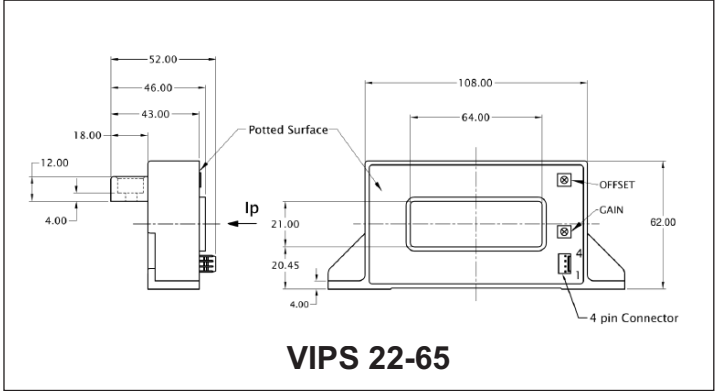
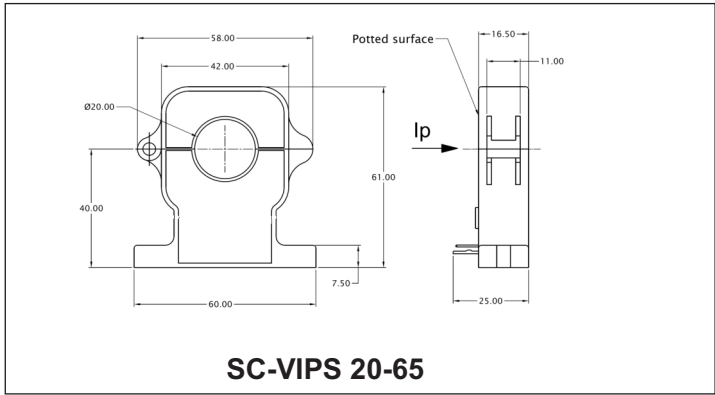
Product Range

Product Code	Primary Nominal Current
VIPS 10-20 & SC-VIPS20-65	50A
	100A
	200A
	300A
	400A
	500A
VIPS 30-40	50A
	100A
	200A
	300A
	400A
	500A
	600A
VIPS 22-65	500A
	600A
	750A
	850A
	1000A
	1500A
	2000A
	2500A

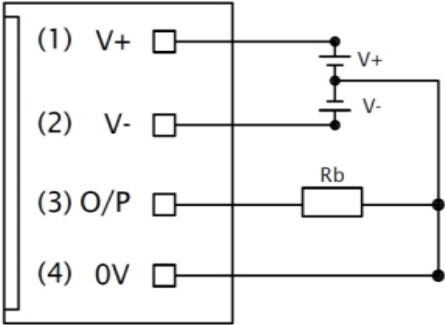
Specification

Parameters	Condition	Min	Typ	Max	Units
Burden resistance		10			kΩ
Output offset voltage	at $I_p=0$		±25.0		mV
Output voltage	at $\pm I_{pn}$, $R_b=10K\Omega$,		±4.0		V
Supply voltage (±5%)			±15		V
Current consumption	at ±15V		25.0		mA
Overall accuracy at I_{pn} (Excluding offset)			±1.0		%
Linearity error	-25 to 85 °C		<1.0		%
Temperature coefficient of V_{out}	-25 to +85 °C		±0.1		% /K
Reaction time at 90% Of I_{pn}			3.0		µs
Frequency bandwidth at -3db	-3dB, small signal bw	DC		25	kHz
di/dt accurately followed			>50		A/ µs
Ambient operating temperature			-25 to +85		°C
Ambient storage temperature			-25 to +85		°C

Mechanical Dimensions



Connection Diagram

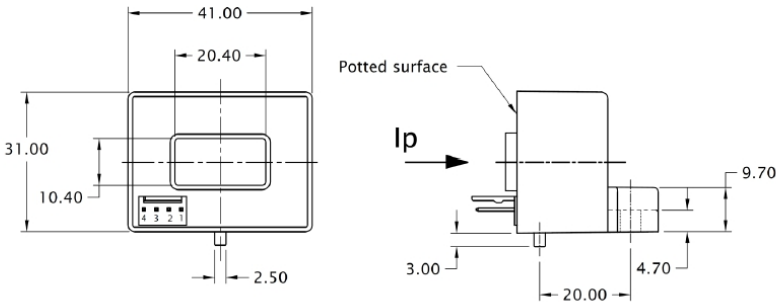


Specification VIPS 10-20

Specifications (Unless otherwise specified temperature is 25°C)

Parameters	Symbol	Condition	Min	Typ	Max	Units
Burden resistance	R_b		10			k Ω
Output offset voltage	V_{off}	at $I_p = 0$		2.5 ± 0.015		V
Output voltage	V_{out}	at $\pm I_{pn}$, $R_b = 10k\Omega$		$V_{off} \pm 0.625$		V
Supply voltage	V_s		4.75	5.00	5.25	V
Current consumption at +5V	I_c			18.0		mA
Accuracy at I_{pn} (Excluding offset)	X_C			<1		%
Linearity error	Σ_L			<1		%
Temperature coefficient of V_{off}	TV_{off}	-40 to +85 °C		± 0.5		mV/K
Temperature coefficient of V_{out}	TV_{out}	-40 to +85 °C		± 0.1		%/K
Response time at 90% of I_{pn}	t_r			10		μs
Frequency bandwidth	BW	-3dB, small signal bw	DC		25	kHz
di/dt accurately followed	di/dt			>50		A/ μs
Ambient operating temperature	T_A			-20 to+85		°C
Ambient storage temperature	T_s			-20 to+85		°C

Mechanical Dimensions VIPS 10-20



VIPS 10-20

Connection Diagram

