

1. 適用範圍/SCOPE

JWDC-HS01，電流感測器採用開環霍爾原理，具有高精度，高頻響等特點，可對DC、AC和脈衝電流進行測量。產品廣泛應用於匯流箱，直流電機，電源管理系統等多種工業場景中。

JWDC-HS01, adopts open loop Hall principle and has the characteristics of high precision and high frequency response. It can measure DC & AC & pulse current. Products are used various industrial scenarios such as combiner boxes, DC motors, and power management system.

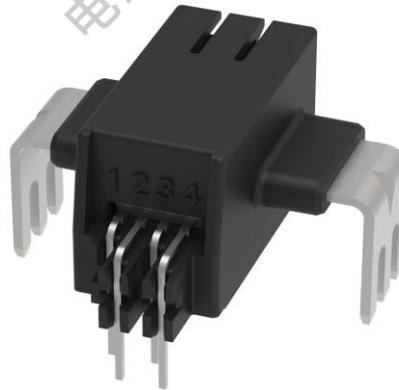
主要特徵/Feature

- 隔離式測量 / Isol
- PCB 安裝 /PCB mounting
- 常溫精度 1% / Accuracy 1%
- 模擬量輸出 / Analog output
- 單電源 5V 供電 / Single supply+5V
- 低功耗 / Low power consumption

產品優勢/Advantages

- 小體積 / Small size
- 低零漂 / Low offset drift
- 高精度 / High precision
- 低磁滯 / Low Magnetic Hysteresis

2. 外觀/APPEARANCE



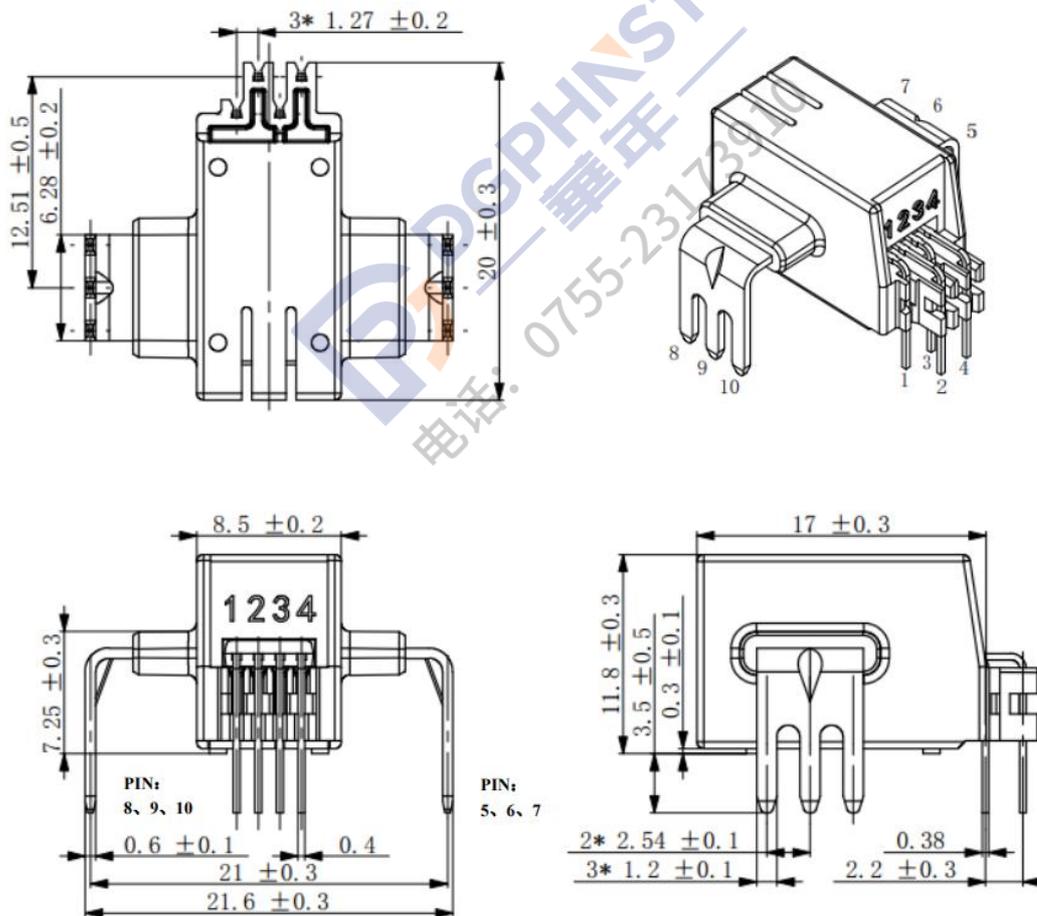
3. 選型表/List

型號 Model	額定測量範圍 Rated detection range/ I_{PN} (A)	測量範圍 Detection range / I_{PM} (A)	頻寬 /BW(kHz)
JWDC-HS01-10V	±10A	±25A	280
JWDC-HS01-16V	±16A	±40A	280
JWDC-HS01-20V	±20A	±50A	400
JWDC-HS01-32V	±32A	±80A	400
JWDC-HS01-40V	±40A	±100A	400
JWDC-HS01-50V	±50A	±125A	400

JWDC-HS01-80VL	±80A	±200A	90
JWDC-HS01-100VL	±100A	±250A	90
JWDC-HS01-120VL	±120A	±300A	90

4. 工程圖和結構/OUTLINEERING DRAWING AND STRUCTURE

4-1 工程圖（單位：mm） / Engineering drawing (Unit: mm)



引腳定義/Pin Definition

引腳/Pin	定義/Definition	說明/ Comment
1	REF	參考電壓輸入/輸出 Vref input/output
2	OUT	信號輸出/ Signal output
3	GND	電源地/ GND

4	VCC	電源/Supply voltage : +5V
8, 9, 10	IP+	原邊電流輸入端/ Primary current in
5, 6, 7	IP-	原邊電流輸出端/ Primart current out

5. 電氣特性/ELECTRICAL CHARACTERISTICS

5-1 絕對最大額定值/Absolute maximum ratings

符號/Symbol	單位/Unit	規格/Spec		備註/Remark
		最小值/min	最大值/Max	
Vcc	V		6	電源電壓/Supply Voltage
Vout	V		Vcc-0.3	信號輸出電壓/Signal out
IOUT	mA		8	Vout 輸出源電流/ Current of Vout
ESD (HBM)	kV		4	靜電防護 (HBM) Electrostatic discharge voltage
TA	°C	-40	105	工作溫度/ Operating temperature

5-2 絕緣特性/ Insulation coordination

參數/Parameter	符號/Symbol	值/Value	單位/Unit
交流耐壓測試 (1 分鐘, 50Hz 有效值): RMS voltage for AC insulation test 50Hz/1 min	U _d	4.3	KV
浪湧電壓 /@1.2/50us : Impulse withstand voltage 1.2/50us	U _{Ni}	8	KV
原邊電壓: Primary voltage	V _s	<600	V
絕緣起痕指數: Comparative tracking index	C _{Ti}	600	V
電氣間隙: Clearance (pri. - sec.)	D _{Cl}	>8	mm
爬電距離: Creepage distance (pri. - sec.)	D _{CP}	>8	mm

5-3 電氣資料 在 Ta=25°C，Vcc=5V 時，除非另有說明

Electrical data At Ta=25°C，Vcc=5V, unless otherwise noted.

1) JWDC-HS01-10V

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註 Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	VCC	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	IPN		10		A	
測量範圍 Measuring range	IPM	-25		25	A	
消耗電流 Current consumption	IC	15	19	25	mA	
輸出電壓 Output Voltage	VOUT	$V_{OUT} = (I_p \times S) + V_{REF}$			V	
輸出電流換算 Output Current Conversion	IP	$I_p = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	VREF	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	VREFIN	0.5		2.65	V	
輸出範圍@IPM	VOUT-VREF	-2		2	V	
參考電壓輸出阻抗 Resistance of Vref	RREF	130	200	300	Ω	
VOUT 輸出內阻 Output internal resistance	ROUT		2	5	Ω	
輸出負載電容 Output load capacitance	COUT	0		6	nF	
零點 Electrical offset voltage	Vo	-5		5	mV	VOUT-VREF
靈敏度 Nominal sensitivity	S		80		mV/A	
零點溫度係數 Zero-point temperature coefficient	TCUOE	-0.075		0.075	mV/°C	-40~105°C
REF 溫度係數 REF Temperature coefficient	TCUref	-0.017		0.017	%/°C	-40~105°C
靈敏度溫漂 Sensitivity temperature drift	TCS	-1.2		1.2	%	-40~105°C
線性度誤差 Linearity error	εL	-0.5		0.5	%	
回應時間 Response time	tRES			2.5	us	IP = 50A/us
磁滯 Hysteresis	IOM	-0.25		0.25	A	@10×IPN
頻寬 Frequency bandwidth	BW		280		kHz	-3dB
RMS 雜訊 Noise of RMS	noiseRMS		10		mV	
精度 Accuracy	X25	-1		1	%	T=25°C

精度 Accuracy	X ₁₀₅	-3.8		3.8	%	T=105°C
銅線電阻值 Resistance of primary jumper	R _P	0.21		0.29	mΩ	

2) JWDC-HS01-16V

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註 Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		16		A	
測量範圍 Measuring range	I _{PM}	-40		40	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_P \times S) + V_{REF}$			V	
輸出電流換算 Output Current Conversion	I _P	$I_P = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@I _{PM}	V _{OUT} -V _{REF}	-2		2	V	
參考電壓輸出阻抗 Resistance of V _{ref}	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻 Output internal resistance	R _{OUT}		2	5	Ω	
輸出負載電容 Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _O	-5		5	mV	V _{OUT} -V _{REF}
靈敏度 Nominal sensitivity	S		50		mV/A	
零點溫度係數 Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數 REF Temperature coefficient	T _{CUref}	-0.017		0.017	%/°C	-40~105°C
靈敏度溫漂 Sensitivity temperature drift	T _{CS}	-1.2		1.2	%	-40~105°C
線性度誤差 Linearity error	ε _L	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us
磁滯 Hysteresis	I _{OM}	-0.25		0.25	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		280		kHz	-3dB

RMS 雜訊 Noise of RMS	noise _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.4		3.4	%	T=105°C
銅線電阻值Resistance of primary jumper	R _P	0.21		0.29	mΩ	

3) JWDC-HS01-20V

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註 Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		20		A	
測量範圍 Measuring range	I _{PM}	-50		50	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_p \times S) + V_{REF}$			V	
輸出電流換算Output Current Conversion	I _P	$I_p = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@I _{PM}	V _{OUT} -V _{REF}	-2		2	V	
參考電壓輸出阻抗 Resistance of Vref	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻Output internal resistance	R _{OUT}		2	5	Ω	
輸出負載電容Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _O	-5		5	mV	V _{OUT} -V _{REF}
靈敏度 Nominal sensitivity	S		40		mV/A	
零點溫度係數Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數REF Temperature coefficient	T _{Curef}	-0.017		0.017	%/°C	-40~105°C
靈敏度溫漂Sensitivity temperature drift	T _{CS}	-1.2		1.2	%	-40~105°C
線性度誤差 Linearity error	ε _L	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us

磁滯 Hysteresis	I _{OM}	-0.25		0.25	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		400		kHz	-3dB
RMS 雜訊 Noise of RMS	noise _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.4		3.4	%	T=105°C
銅線電阻值 Resistance of primary jumper	R _P	0.21		0.29	mΩ	

4) JWDC-HS01-32V

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		32		A	
測量範圍 Measuring range	I _{PM}	-80		80	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_p \times S) + V_{REF}$			V	
輸出電流換算 Output Current Conversion	I _P	$I_p = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@I _{PM}	V _{OUT-VREF}	-2		2	V	
參考電壓輸出阻抗 Resistance of Vref	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻 Output internal resistance	R _{OUT}		2	5	Ω	
輸出負載電容 Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _O	-5		5	mV	V _{OUT} -V _{REF}
靈敏度 Nominal sensitivity	S		25		mV/A	
零點溫度係數 Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數 REF Temperature coefficient	T _{CUref}	-0.017		0.017	%/°C	-40~105°C
靈敏度溫漂 Sensitivity temperature drift	T _{CS}	-1.2		1.2	%	-40~105°C

線性度誤差 Linearity error	ϵ_L	-0.5		0.5	%	
回應時間 Response time	t_{RES}			2.5	us	$I_P = 50A/us$
磁滯 Hysteresis	I_{OM}	-0.25		0.25	A	@ $10 \times I_{PN}$
頻寬 Frequency bandwidth	BW		400		kHz	-3dB
RMS 雜訊 Noise of RMS	$noise_{RMS}$		10		mV	
精度 Accuracy	X_{25}	-1		1	%	$T=25^\circ C$
精度 Accuracy	X_{105}	-3.4		3.4	%	$T=105^\circ C$
銅線電阻值 Resistance of primary jumper	R_P	0.21		0.29	m Ω	

5) JWDC-HS01-40V

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註 Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V_{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I_{PN}		40		A	
測量範圍 Measuring range	I_{PM}	-100		100	A	
消耗電流 Current consumption	I_C	15	19	25	mA	
輸出電壓 Output Voltage	V_{OUT}	$V_{OUT} = (I_P \times S) + V_{REF}$			V	
輸出電流換算 Output Current Conversion	I_P	$I_P = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V_{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V_{REFIN}	0.5		2.65	V	
輸出範圍@ I_{PM}	$V_{OUT} - V_{REF}$	-2		2	V	
參考電壓輸出阻抗 Resistance of V_{REF}	R_{REF}	130	200	300	Ω	
V_{OUT} 輸出內阻 Output internal resistance	R_{OUT}		2	5	Ω	
輸出負載電容 Output load capacitance	C_{OUT}	0		6	nF	
零點 Electrical offset voltage	V_O	-5		5	mV	$V_{OUT} - V_{REF}$
靈敏度 Nominal sensitivity	S		20		mV/A	
零點溫度係數 Zero-point temperature coefficient	T_{CUOE}	-0.075		0.075	mV/ $^\circ C$	-40~105 $^\circ C$

REF溫度係數REF Temperature coefficient	T _{Curef}	-0.017		0.017	%/°C	-40~105°C
靈敏度溫漂Sensitivity temperature drift	T _{CS}	-1.2		1.2	%	-40~105°C
線性度誤差 Linearity error	ε _L	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us
磁滯 Hysteresis	I _{OM}	-0.25		0.25	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		400		kHz	-3dB
RMS 雜訊 Noise of RMS	noise _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.4		3.4	%	T=105°C
銅線電阻值Resistance of primary jumper	R _P	0.21		0.29	mΩ	

6) JWDC-HS01-50V

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		50		A	
測量範圍 Measuring range	I _{PM}	-125		125	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_P \times S) + V_{REF}$			V	
輸出電流換算Output Current Conversion	I _P	$I_P = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@I _{PM}	V _{OUT} -V _{REF}	-2		2	V	
參考電壓輸出阻抗 Resistance of Vref	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻Output internal resistance	R _{OUT}		2	5	Ω	
輸出負載電容Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _O	-5		5	mV	V _{OUT} -V _{REF}

靈敏度 Nominal sensitivity	S		16		mV/A	
零點溫度係數Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數REF Temperature coefficient	T _{CUref}	-0.017		0.017	%/°C	-40~105°C
靈敏度溫漂Sensitivity temperature drift	T _{CS}	-1.2		1.2	%	-40~105°C
線性度誤差 Linearity error	εL	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us
磁滯 Hysteresis	I _{OM}	-0.25		0.25	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		400		kHz	-3dB
RMS 雜訊 Noise of RMS	noiser _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.4		3.4	%	T=105°C
銅線電阻值Resistance of primary jumper	R _P	0.21		0.29	mΩ	

7) JWDC-HS01-80VL

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		80		A	
測量範圍 Measuring range	I _{PM}	-200		200	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_P \times S) + V_{REF}$			V	
輸出電流換算Output Current Conversion	I _P	$I_P = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@I _{PM}	V _{OUT} -V _{REF}	-2		2	V	
參考電壓輸出阻抗 Resistance of Vref	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻Output internal resistance	R _{OUT}		2	5	Ω	

輸出負載電容Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _O	-5		5	mV	V _{OUT} -V _{REF}
靈敏度 Nominal sensitivity	S		10		mV/A	
零點溫度係數Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數REF Temperature coefficient	T _{Curef}	-0.02		0.02	%/°C	-40~105°C
靈敏度溫漂Sensitivity temperature drift	T _{CS}	-2	±1	2	%	-40~105°C
線性度誤差 Linearity error	ε _L	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us
磁滯 Hysteresis	I _{OM}	-0.4		0.4	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		90		kHz	-3dB
RMS 雜訊 Noise of RMS	noiser _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.8		3.8	%	T=105°C
銅線電阻值Resistance of primary jumper	R _P	0.21		0.29	mΩ	

8) JWDC-HS01-100VL

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		100		A	
測量範圍 Measuring range	I _{PM}	-250		250	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_p \times S) + V_{REF}$			V	
輸出電流換算Output Current Conversion	I _P	$I_p = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@I _{PM}	V _{OUT} -V _{REF}	-2		2	V	

參考電壓輸出阻抗 Resistance of Vref	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻Output internal resistance	R _{OUT}		2	5	Ω	
輸出負載電容Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _o	-5		5	mV	V _{OUT} -V _{REF}
靈敏度 Nominal sensitivity	S		8		mV/A	
零點溫度係數Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數REF Temperature coefficient	T _{Curef}	-0.02		0.02	%/°C	-40~105°C
靈敏度溫漂Sensitivity temperature drift	T _{CS}	-2	±1	2	%	-40~105°C
線性度誤差 Linearity error	ε _L	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us
磁滯 Hysteresis	I _{OM}	-0.4		0.4	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		90		kHz	-3dB
RMS 雜訊 Noise of RMS	noise _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.8		3.8	%	T=105°C
銅線電阻值Resistance of primary jumper	R _P	0.21		0.29	mΩ	

9) JWDC-HS01-120VL

參數定義 Parameter	符號 Symbol	規格/ Spec			單位 Unit	備註Remark
		最小值/min	標準值/Typ	最大值/Max		
供電電壓 Supply voltage	V _{CC}	4.5	5	5.5	V	
額定測量範圍 Rated Measuring range	I _{PN}		120		A	
測量範圍 Measuring range	I _{PM}	-300		300	A	
消耗電流 Current consumption	I _C	15	19	25	mA	
輸出電壓 Output Voltage	V _{OUT}	$V_{OUT} = (I_P \times S) + V_{REF}$			V	
輸出電流換算Output Current Conversion	I _P	$I_P = (V_{OUT} - V_{REF}) / S$			A	
參考電壓輸出範圍 Reference voltage(output)	V _{REF}	2.48	2.5	2.52	V	

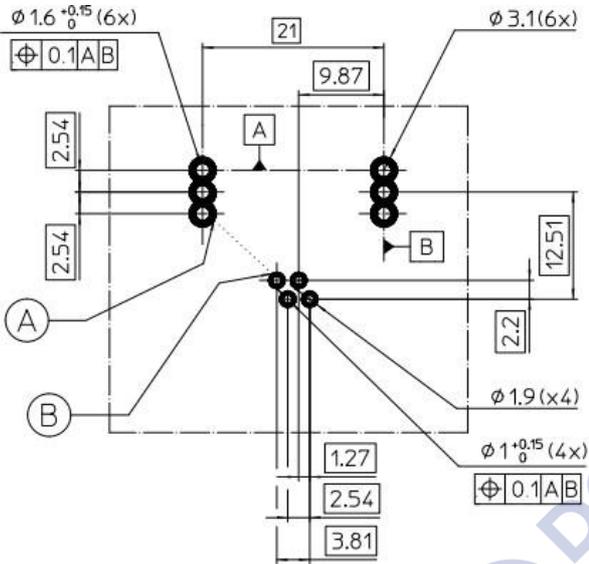
參考電壓輸入 REF voltage in	V _{REFIN}	0.5		2.65	V	
輸出範圍@IPM	V _{OUT} -V _{REF}	-2		2	V	
參考電壓輸出阻抗 Resistance of Vref	R _{REF}	130	200	300	Ω	
V _{OUT} 輸出內阻Output internal resistance	R _{OUT}		2	5	Ω	
輸出負載電容Output load capacitance	C _{OUT}	0		6	nF	
零點 Electrical offset voltage	V _O	-5		5	mV	V _{OUT} -V _{REF}
靈敏度 Nominal sensitivity	S		6.67		mV/A	
零點溫度係數Zero-point temperature coefficient	T _{CUOE}	-0.075		0.075	mV/°C	-40~105°C
REF溫度係數REF Temperature coefficient	T _{Curef}	-0.02		0.02	%/°C	-40~105°C
靈敏度溫漂Sensitivity temperature drift	T _{CS}	-2	±1	2	%	-40~105°C
線性度誤差 Linearity error	ε _L	-0.5		0.5	%	
回應時間 Response time	t _{RES}			2.5	us	I _P = 50A/us
磁滯 Hysteresis	I _{OM}	-0.4		0.4	A	@10×I _{PN}
頻寬 Frequency bandwidth	BW		90		kHz	-3dB
RMS 雜訊 Noise of RMS	nois _{RMS}		10		mV	
精度 Accuracy	X ₂₅	-1		1	%	T=25°C
精度 Accuracy	X ₁₀₅	-3.8		3.8	%	T=105°C
銅線電阻值Resistance of primary jumper	R _P	0.21		0.29	mΩ	

6. 環境特性/ENVIRONMENTAL CHARACTERISTIC

請適用於污染等級PD2或設備內部的環境

Please apply to the situation of pollution level PD2 or inside the equipment

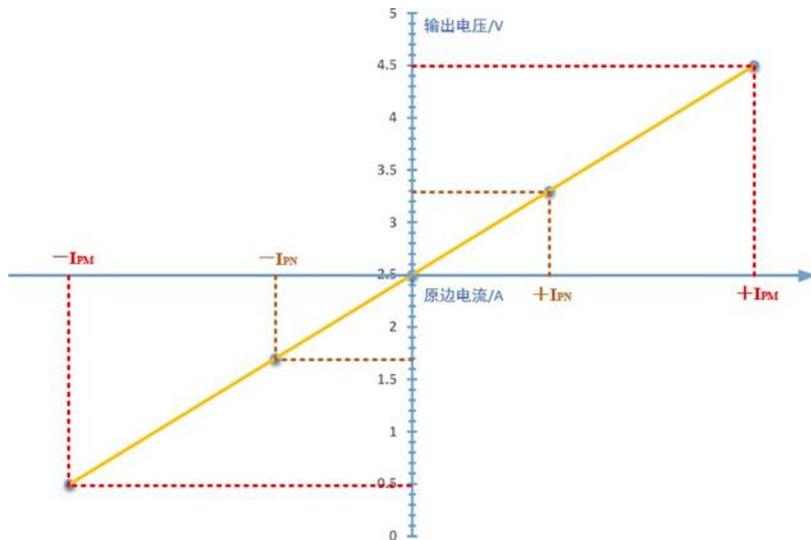
7. 推薦焊盤/PAD



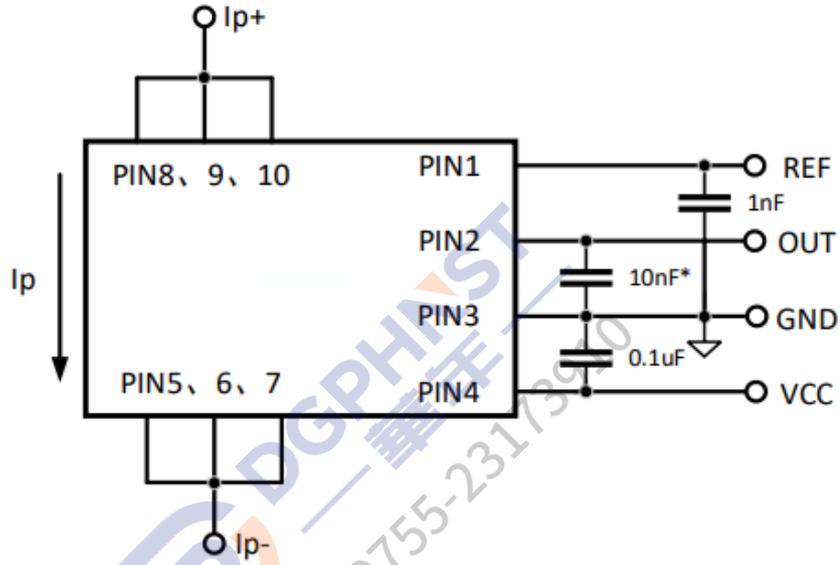
	d_{Cl} (mm)	d_{Cp} (mm)
A-B	9.42	9.42

參數/ Parameter	值/Value	單位/Unit
原邊電流推薦 PCB 孔徑/ Recommended PCB hole diameter of primary	1.6	mm
次邊電流推薦 PCB 孔徑/ Recommended PCB hole diameter of secondary	1	mm
最大 PCB 板厚/ Maximum PCB thickness	2.4	mm
波峰焊溫度/ Wave soldering profile	260	°C

8. 輸出示意/Output



9. 參考電路/Reference Circuit



◇根據需求調整電容值，最小 2nF。

Adjust capacitance value according to requirements, minimum value:2nF

10. 其他/OTHERS

10-1 如果在使用中有超出本規格書的要求，必須經由雙方協商確認。

In the event that an impropriety is found beyond this specification ,it shall be fixed by mutual agreement between the parties.

10-2 如果本規格書有不適當的情況，必須通過雙方協商並由本公司修改。

In the event that an impropriety is found in this specification , SUZHOU WALTER ELECTRONIC CO., LTD. shall amend it by mutual agreement between the parties.