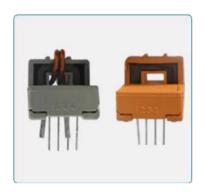


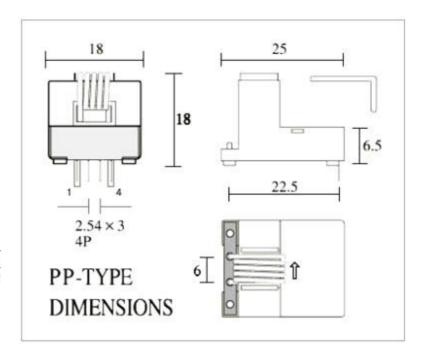
#### OPEN-LOOP HALL CURRENT SENSOR

### ■ PRODUCT CHARACTER



-PCB삽입용으로 소,중전류 측정에 적합하며 장비의 양산시스템에 적합한 사양으로 경제적인 가격에 대비하여 우수한 품질특성을 지닌 제품.

### **■** DIMENSIONS



# ■ PP1A-TYPE STANDARD SPEC (1)

#### [Ta=25℃,RL=10KΩ]

Type-code		PP1A02-12	DD1400-10	DD1404_10	DD1405_10	DD1 409 10	DD1A10_10		
Parameter	Symbol	FFIAUZ-1Z	PP1A03-12	PP1A04-12	PP1A05-12	PP1A08-12	PP1A10-12		
Rated Current (F.S.)	If	02A	03A	04A	05A	08A	10A		
Linear Range		04A	06A	08A	10A	16A	20A		
Diameter of Primary Conductor		0.5mm	0.5mm	0.8mm	0.8mm	1.1mm	1.1mm		
Output Voltage	Vh	±4V ±1% at If							
Zero Current Offset	Vo			Within ±30r	mV at If = 0				
Linearity of Output	ρ	Within ±1.0% of Vh at If: F.S.							
Supply Voltage	Vc	±12V ±5%							
Response Time		3µsec Max. at di/dt = F.S./µsec							
Frequency Range	f	DC ~ AC50KHz and 100KHz Max.							
Output Voltage Temperature Coef.		Within ±0.1% / ℃ Max.							
Zero Offset Voltage Temperature Coef.		Within ±1.0mV / ℃ Max.							
Dielectric Strength		2.0KV AC with 60Hz × 1minute 관통부 내측-신호핀 간							
Insulation Resistance		500[MΩ]Min. at 500V DC 관통부 내측-신호핀 간							
Operating Temp.	Ta	-10 ~ +80℃							
Storage Temp.	Ts	-25 ~ +85℃							
Note		PP1A PINOUT - (1)+12[V] (2)0[V] (3)-12[V] (4)OUT							
		CONNECTOR: 2.54mm 4P St. PIN							



# OPEN-LOOP HALL CURRENT SENSOR

### ■ PP1A-TYPE STANDARD SPEC (2)

[Ta=25°C,RL=10KΩ]

Type-code		DD1.410_10	DD1415 10	DD1400_10	001405 10	DD1400 10	DD1.440_10		
Parameter	Symbol	PP1A12-12	PP1A15-12	PP1A20-12	PP1A25-12	PP1A30-12	PP1A40-12		
Rated Current (F.S.)	lf	12A	15A	20A	25A	30A	40A		
Linear Range		24A	30A	30A	50A	60A	80A		
Diameter of Primary Conductor		1.1mm	1.6mm	1.6mm	_	_	_		
Output Voltage	Vh		$\pm$ 4V $\pm$ 1% at If						
Zero Current Offset	Vo	Within $\pm 30$ mV at If = 0							
Linearity of Output	ρ		V	/ithin ±1.0% o	f Vh at If: F.	S.			
Supply Voltage	Vc	±12V ±5%							
Response Time		3µsec Max. at di/dt = F.S./µsec							
Frequency Range	f	DC ~ AC50KHz and 100KHz Max.							
Output Voltage Temperature Coef.		Within ±0.1% / ℃ Max.							
Zero Offset Voltage Temperature Coef.		Within ±1.0mV / ℃ Max.							
Dielectric Strength		2.0KV AC with 60Hz × 1minute 관통부 내측-신호핀 간							
Insulation Resistance		500[MΩ]Min. at 500V DC 관통부 내측-신호핀 간							
Operating Temp.	Ta	-10 ~ +80℃							
Storage Temp.	Ts	-25 ~ +85℃							
Note		PP1A PINOUT - (1) +12[V] (2) 0[V] (3) -12[V] (4) OUT							
		CONNECTOR: 2.54mm 4P St. PIN							

### ■ PP1S-TYPE STANDARD SPEC (1)

[Ta=25℃,RL=10KΩ]

Type-code		DD1000 10	DD1000 10	DD1004_10	DD1005 10	DD1000 10	DD1010 10	
Parameter	Symbol	PP1S02-12	PP1S03-12	PP1S04-12	PP1S05-12	PP1S08-12	PP1S10-12	
Rated Current (F.S.)	If	02A	03A	04A	05A	08A	10A	
Linear Range		04A	06A	08A	10A	16A	20A	
Diameter of Primary Conductor		0.5mm	0.5mm	0.8mm	0.8mm	1.1mm	1.1mm	
Output Voltage	Vh	+4V ±1% at If						
Zero Current Offset	Vo	Within 30mV at If = 0						
Linearity of Output	ρ		W	/ithin ±1.5% o	f Vh at If: F.	S.		
Supply Voltage	Vc	+12V ±5%						
Response Time		15µsec Max. at di/dt = F.S./µsec						
Frequency Range	f	DC ~ AC1kHz and 5kHz Max.						
Output Voltage Temperature Coef.		Within ±0.1% / ℃ Max.						
Zero Offset Voltage Temperature Coef.		Within ±1.0mV / ℃ Max.						
Dielectric Strength		2.0KV AC with 60Hz × 1minute 관통부 내측-신호핀 간						
Insulation Resistance		500[MΩ]Min. at 500V DC 관통부 내측-신호핀 간						
Operating Temp.	Ta	-10 ~ +80℃						
Storage Temp.	Ts	-25 ~ +85℃						
		PP1A PINOUT - (1) +12[V] (2) 0[V] (3) 0[V] (4) OUT						
Note		※ 주의 − 핀 2번과 3번은 접속(Common)						
	CONNECTOR: 2.54mm 4P St. PIN							



# OPEN-LOOP HALL CURRENT SENSOR

# ■ PP1S-TYPE STANDARD SPEC (2)

[Ta=25℃,RL=10KΩ]

Type-code		DD1010 10	DD1015 10	DD1000 10	DD1005 10	DD1000 10	DD1040_10	
Parameter	Symbol	PP1S12-12	PP1S15-12	PP1S20-12	PP1S25-12	PP1S30-12	PP1S40-12	
Rated Current (F.S.)	If	12A	15A	20A	25A	30A	40A	
Linear Range		24A	30A	30A	50A	60A	80A	
Diameter of Primary Conductor		1.1mm	1.6mm	1.6mm	_	_	_	
Output Voltage	Vh	+4V ±1% at If						
Zero Current Offset	Vo	Within 30mV at If = 0						
Linearity of Output	ρ		W	/ithin ±1.5% o	f Vh at If: F.	S.		
Supply Voltage	Vc	+12V ±5%						
Response Time		15#sec Max. at di/dt = F.S./#sec						
Frequency Range	f	DC ~ AC1kHz and 5kHz Max.						
Output Voltage Temperature Coef.		Within ±0.1% / ℃ Max.						
Zero Offset Voltage Temperature Coef.		Within ±1.0mV / ℃ Max.						
Dielectric Strength		2.0KV AC with 60Hz × 1minute 관통부 내측-신호핀 간						
Insulation Resistance		500[MΩ]Min. at 500V DC 관통부 내측-신호핀 간						
Operating Temp.	Та	-10 ~ +80℃						
Storage Temp.	Ts	-25 ~ +85℃						
		PP1S PINOUT - (1) +12[V] (2) 0[V] (3) 0[V] (4) OUT						
Note		※ 주의 - 핀 2번과 3번은 접속(Common)						
	CONNECTOR: 2.54mm 4P St. PIN							