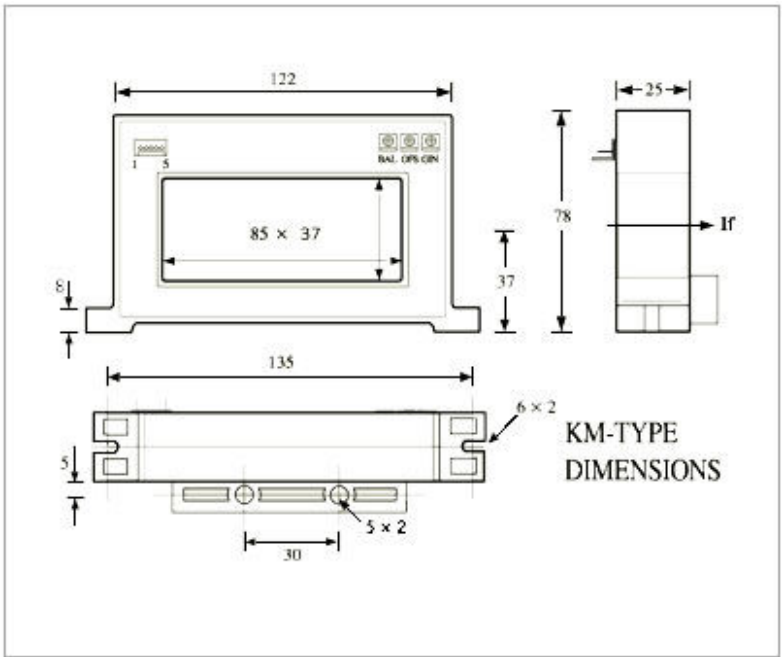
■ PRODUCT CHARACTER

Unlike the general product, the hall current sensor for large current measuring has been designed to randomly adjust the saturation range of the current measured. Characteristically, this current sensor consists of 2-mode outputs, such as of reverse output and normal output in order to increase the application level and noise quality of output signal within the high range of electric field associated with large current measuring. Hall current sensors for large current measuring are made with large inner diameters. Therefore, caution must be taken in installation process to consider the concentricity errors generated.

■ DIMENSIONS



■ KMA-TYPE STANDARD SPEC

[Ta=25℃,RL=10KΩ]

Type-code		KMA 400-15	KMA 600-15	KMA 800-15	KMA 1.0K-15	KMA 1.2K-15	KMA 1.5K-15	KMA 2.0K-15	KMA 2.5K-15
Parameter	Symbol								
Rated Current (F.S.)	If	400A	600A	800A	1000A	1200A	1500A	2000A	2500A
Linear Range		800A	1200A	1,600A	2000A	2400A	3000A	4000A	5000A
Output Voltage	Vh	±04V±1% at If							
Zero Current Offset	Vo	Within ±10mV at If = 0							
Linearity of Output	ρ	Within ±1.0% of Vh at If : F.S.							
Supply Voltage	Vc	±15V ±5%							
Response Time		15㎲ec Max. at di/dt = F.S./㎲ec							
Frequency Range	f	DC ~ AC5KHz and 10KHz Max.							
Output Voltage Temperature Coef.		Within ±0.1% / ℃ Max.							
Zero Offset Voltage Temperature Coef.		Within ±1.0mV / ℃ Max.							
Dielectric Strength		3.0KV 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		KMA PINOUT (1) +15V (2) 0V (3) -15V (4) INV.OUT (5) OUT CONNECTOR : Molex 社, 5045-04A							