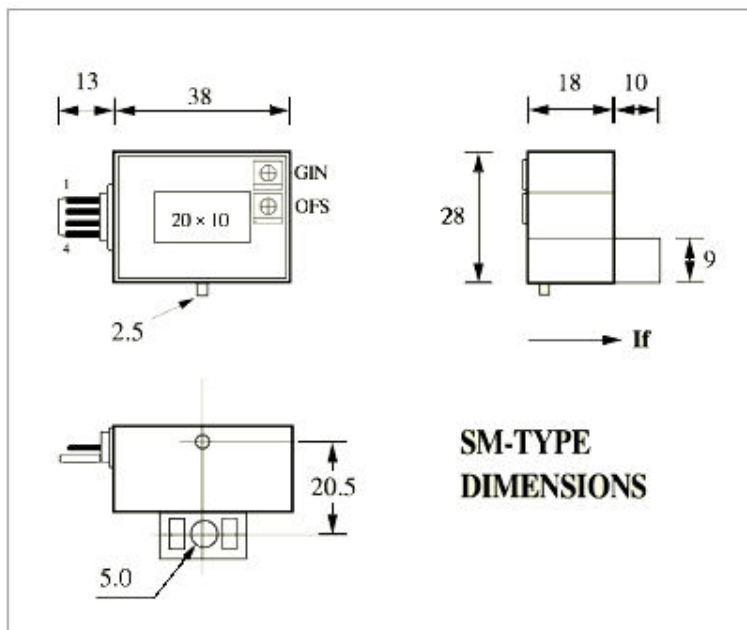


**PRODUCT CHARACTER**


Designed for use in both panel and PCB Outstanding design and compact size with the overall height of 28mm for effective spatial use Application to 20mm booth bar and cable.

**DIMENSIONS**

**SMA-TYPE STANDARD SPEC**

[Ta=25℃, RL=10KΩ]

| Type-code                                |        | SMA<br>040                                                                     | SMA<br>050 | SMA<br>080 | SMA<br>100 | SMA<br>150                      | SMA<br>200 | SMA<br>300 | SMA<br>400 | SMA<br>500 |
|------------------------------------------|--------|--------------------------------------------------------------------------------|------------|------------|------------|---------------------------------|------------|------------|------------|------------|
| Parameter                                | Symbol |                                                                                |            |            |            |                                 |            |            |            |            |
| Rated Current (F.S.)                     | If     | 040A                                                                           | 050A       | 080A       | 100A       | 150A                            | 200A       | 300A       | 400A       | 500A       |
| Linear Range                             |        | 080A                                                                           | 100A       | 160A       | 200A       | 300A                            | 400A       | 600A       | 800A       | 900A       |
| Output Voltage                           | Vh     | ±04V±1% at If                                                                  |            |            |            |                                 |            |            |            |            |
| Zero Current Offset                      | Vo     | Within ±20mV at If = 0                                                         |            |            |            | Within ±15mV at If = 0          |            |            |            |            |
| Linearity of Output                      | ρ      | Within ±1.0% of Vh at If : F.S.                                                |            |            |            |                                 |            |            |            |            |
| Supply Voltage                           | Vc     | ±12V or ±15V ±5%                                                               |            |            |            |                                 |            |            |            |            |
| Response Time                            | Tr     | 5μsec Max. at di/dt = F.S./μsec                                                |            |            |            | 7μsec Max. at di/dt = F.S./μsec |            |            |            |            |
| Frequency Range                          | f      | DC ~ AC20KHz and 25KHz Max.                                                    |            |            |            | DC ~ AC10KHz and 15KHz Max.     |            |            |            |            |
| Output Voltage<br>Temperature Coef.      |        | Within ±0.1% / °C Max.                                                         |            |            |            |                                 |            |            |            |            |
| Zero Offset Voltage<br>Temperature Coef. |        | Within ±1.0mV / °C Max.                                                        |            |            |            |                                 |            |            |            |            |
| Dielectric Strength                      |        | 2.5KV AC with 60Hz × 1minute<br>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                                     |        | SMA PINOUT<br>(1) +V (2) -V (3) OUTPUT (4) 0V<br>CONNECTOR : Molex 社, 5045-04A |            |            |            |                                 |            |            |            |            |

**■ SMS-TYPE STANDARD SPEC**

[Ta=25℃,RL=10KΩ]

| Type-code                                |        | SMS<br>040                                                                     | SMS<br>050 | SMS<br>080 | SMS<br>100 | SMS<br>150 | SMS<br>200                       | SMS<br>250 | SMS<br>300 | SMS<br>400 |  |
|------------------------------------------|--------|--------------------------------------------------------------------------------|------------|------------|------------|------------|----------------------------------|------------|------------|------------|--|
| Parameter                                | Symbol |                                                                                |            |            |            |            |                                  |            |            |            |  |
| Rated Current (F.S.)                     | If     | 040A                                                                           | 050A       | 080A       | 100A       | 150A       | 200A                             | 250A       | 300A       | 400A       |  |
| Linear Range                             |        | 080A                                                                           | 100A       | 160A       | 200A       | 300A       | 400A                             | 500A       | 600A       | 800A       |  |
| Output Voltage                           | Vh     | +04V±1% at If                                                                  |            |            |            |            |                                  |            |            |            |  |
| Zero Current Offset                      | Vo     | NO OUTPUT +50mV at If                                                          |            |            |            |            |                                  |            |            |            |  |
| Linearity of Output                      | ρ      | Within ±1.5% of Vh at If : F.S.                                                |            |            |            |            |                                  |            |            |            |  |
| Supply Voltage                           | Vc     | +12V or +15V ±5%                                                               |            |            |            |            |                                  |            |            |            |  |
| Response Time                            | Tr     | 20μsec Max. at di/dt = F.S./μsec                                               |            |            |            |            | 20μsec Max. at di/dt = F.S./μsec |            |            |            |  |
| Frequency Range                          | f      | DC ~ AC10KHz and 15KHz Max.                                                    |            |            |            |            | DC ~ AC5KHz and 10KHz Max.       |            |            |            |  |
| Output Voltage<br>Temperature Coef.      |        | Within ±0.1% / °C Max.                                                         |            |            |            |            |                                  |            |            |            |  |
| Zero Offset Voltage<br>Temperature Coef. |        | Within ±1.0mV / °C Max.                                                        |            |            |            |            |                                  |            |            |            |  |
| Dielectric Strength                      |        | 2.5KV AC with 60Hz × 1minute<br>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                                     |        | SMS PINOUT<br>(1) +V (2) 0V (3) OUTPUT (4) 0V<br>CONNECTOR : Molex 社, 5045-04A |            |            |            |            |                                  |            |            |            |  |

**< MEMO >**