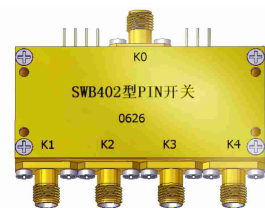
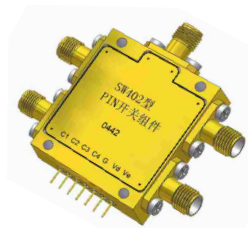


## Features

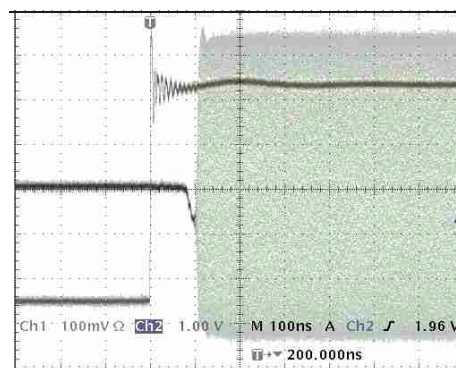
- Compact metal package
- Low insertion Loss. High isolation
- Fast switching speed
- Removable SMA Connectors
- Operating temperature range: -45°C ~ +85°C



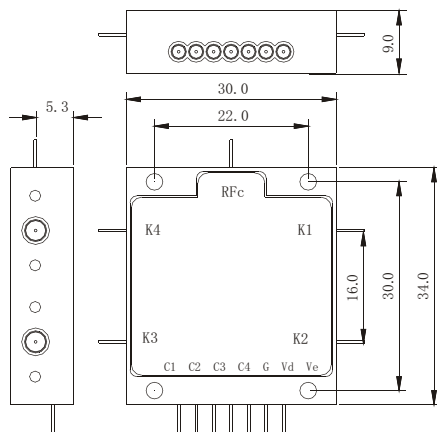
## Specifications (V<sub>CC</sub>=+5V, V<sub>EE</sub>=-5V)

| Parameter | Frequency range (GHz) | Insertion loss (dB) Typ/Max | VSWR Typ | Isolation (dB) Typ/Min | Switching Speed (dB) | Notes      |
|-----------|-----------------------|-----------------------------|----------|------------------------|----------------------|------------|
| SW(B)401  | 0.5~2                 | 1.0/1.5                     | 1.5      | 70/65                  | 120                  | Reflective |
| SW(B)401B | 0.5~2                 | 1.2/1.8                     | 1.5      | 70/65                  | 120                  | Absorptive |
| SW(B)402  | 1~4                   | 1.5/2.0                     | 1.7      | 70/65                  | 120                  | Reflective |
| SW(B)402B | 1~4                   | 1.8/2.3                     | 1.7      | 70/65                  | 120                  | Absorptive |
| SW(B)403  | 2~8                   | 2.0/2.5                     | 2.0      | 65/60                  | 120                  | Reflective |
| SW(B)403B | 2~8                   | 2.5/2.8                     | 2.0      | 65/60                  | 120                  | Absorptive |
| SW(B)404  | 2~12                  | 3.0/3.5                     | 2.0      | 65/60                  | 120                  | Reflective |
| SW(B)405  | 2~18                  | 4.0/5.0                     | 2.0      | 60/55                  | 120                  | Reflective |

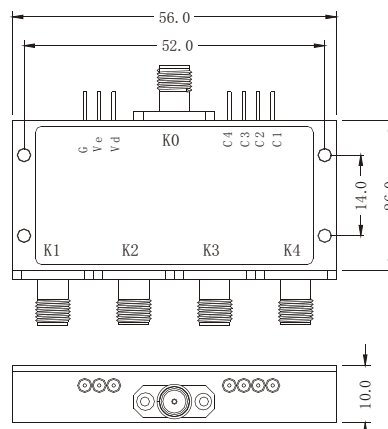
## Switching Time



## Outline Drawing



SW40X



SWB40X

## Application Notes:

1. Supply power: +5V@100mA/-5V@60mA
2. High power to 1W(cw)
3. Logic input high (2.5~5V, 1mA Max):on  
Logic input Low (0~0.6V, 3mA Max):off
4. Higher isolation, specified outline drawing and opposite control logic are available
5. Do not cure the lead unduly. Exceed Soldering time (10 second at 280°C) may cause permanent damage
6. 1uF electrolytic capacitance and 0.01~0.1uF chip Capacitance are recommended on the power port to filter the interference