

Features

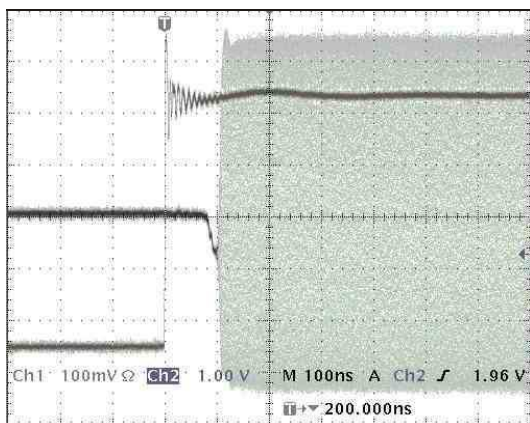
- Compact metal package
- Low insertion Loss. High isolation
- Fast switching speed
- Removable SMA Connectors
- Operating temperature range: -45°C ~ +85°C



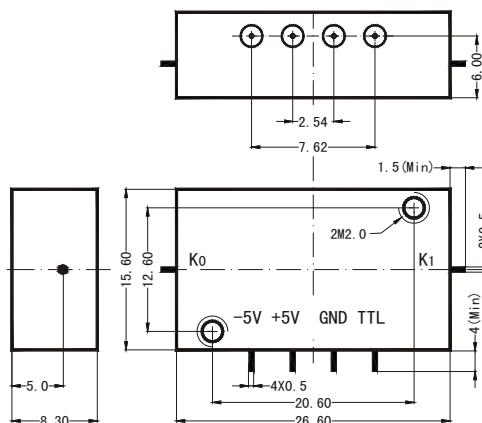
Specifications ($V_{cc}=+5V, V_{ee}=-5V$)

| Parameter | Frequency range (GHz) | Insertion loss (dB) Typ/Max | VSWR Typ | Isolation (dB) Typ/Min | Switching Speed (dB) | Notes |
|-----------|-----------------------|-----------------------------|----------|------------------------|----------------------|------------|
| SW101 | 0.5~2 | 0.8/1.2 | 1.3 | 70/65 | 120 | Reflective |
| SW101B | 0.5~2 | 1.0/1.5 | 1.3 | 70/65 | 120 | Absorptive |
| SW102 | 1~4 | 1.0/1.5 | 1.4 | 70/65 | 120 | Reflective |
| SW102B | 1~4 | 1.4/1.8 | 1.4 | 70/65 | 120 | Absorptive |
| SW103 | 2~8 | 1.5/2.0 | 1.7 | 65/60 | 120 | Reflective |
| SW103B | 2~8 | 1.8/2.5 | 1.7 | 65/60 | 120 | Absorptive |
| SW104 | 2~12 | 2.0/2.5 | 1.7 | 65/60 | 120 | Reflective |
| SW105 | 2~18 | 3.0/3.5 | 2.0 | 60/55 | 120 | Reflective |

Switching Time



Outline Drawing



Application Note:

1. Supply power: +5V@30mA / -5V@30mA
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