#### 查询SPM3216供应商

#### 捷多邦,专业PCB打样工厂,24小时加急出货

#### Ordering number : ENN7294

### RF SPDT Switch MMIC

# **SPM3216**

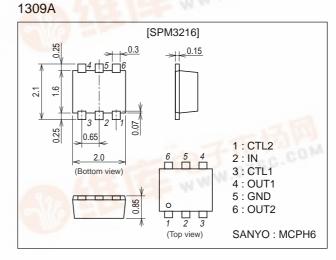
# Wide-Band Switch MMIC Operating with Single Power Supply

### **Features**

- Control voltage : +3 / 0V.
- Small package (MCPH6).
- High isolation.
- Low Insertion loss.

## Package Dimensions

unit : mm



# **Specifications**

### Absolute Maximum Ratings at Ta=25°C

| Parameter             | Symbol | Conditions | Ratings     | Unit |
|-----------------------|--------|------------|-------------|------|
| Control Voltage       | VCTL   |            | 5.0         | V    |
| Power Dissipation     | PD     |            | 150         | mW   |
| Storage Temperature   | Tstg   |            | -55 to +150 | °C   |
| Operating Temperature | Topr   |            | -20 to +85  | °C   |

Electrical Characteristics at Ta=25°C Control Voltage 1, 2:0/+3V

| Parameter      |                  | Conditions |  | Rating |      |      | Unit |
|----------------|------------------|------------|--|--------|------|------|------|
| Falametei      |                  |            |  | min    | typ  | max  | Unit |
|                |                  | f=1GHz     |  |        | 0.55 | 0.85 | dB   |
| Insertion Loss | IN-OUT1, IN-OUT2 | f=2GHz     |  |        | 0.6  | 0.9  | dB   |
|                | E 82 19          | f=2.5GHz   |  |        | 0.65 | 0.95 | dB   |
| Isolation      | IN-OUT1, IN-OUT2 | f=1GHz     |  | 19     | 22   |      | dB   |
|                |                  | f=2GHz     |  | 15     | 18   |      | dB   |
|                |                  | f=2.5GHz   |  | 13     | 16   |      | dB   |

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|        |          | CTL2  |         |        |         |  |
|--------|----------|-------|---------|--------|---------|--|
|        |          | +3V   |         | 0V     |         |  |
|        | CTL1 +3V | IN —o | o- OUT1 | IN —o- | 0UT1    |  |
| CILI   |          |       | •— OUT2 |        | ○— OUT2 |  |
|        | 0V       |       | o— OUT1 | IN —o  | o— OUT1 |  |
|        | 00       |       | OUT2    |        | o— OUT2 |  |
| Morkir |          | I     |         |        |         |  |

Marking : RH

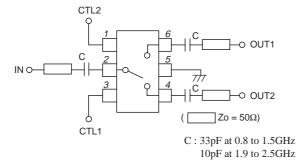
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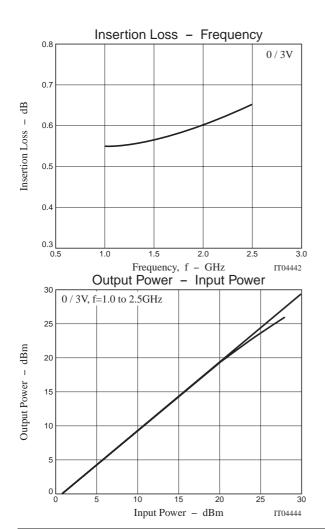
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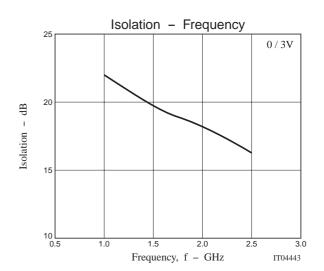
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| Parameter           | Conditions       |                  | Rating |     |     | Unit |
|---------------------|------------------|------------------|--------|-----|-----|------|
|                     |                  |                  | min    | typ | max |      |
| VSWR                | IN-OUT1, IN-OUT2 | f=1GHz to 2.5GHz |        | 1.1 | 1.5 |      |
| Switching Time      |                  | f=1GHz to 2.5GHz |        | 20  | 100 | ns   |
| P <sub>IN</sub> 1dB | IN-OUT1, IN-OUT2 | f=1GHz to 2.5GHz | 24     | 28  |     | dBm  |

## **Application Circuit**







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