

## NPS2-0-6000-R

SPDT, DC~6GHz, Reflective

### Features:

- \* Low Insertion Loss
- \* High Isolation

### Applications:

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar

### Electrical

|                       |                                |
|-----------------------|--------------------------------|
| Frequency:            | DC~6GHz                        |
| Insertion Loss:       | 1.3dB max.                     |
| Isolation:            | 23dB min.                      |
| VSWR:                 | 1.5 max.                       |
| Input Power:          | 46dBm max.                     |
| DC Power Dissipation: | 0.7W typ.                      |
| P0.1dB:               | 46dBm typ.                     |
| IIP3:                 | 55dBm typ.                     |
| Impedance:            | 50Ω                            |
| Voltage:              | +5V DC                         |
| Current:              | 100mA                          |
| On/Off Delay:         | 150nS max.                     |
| Control:              | TTL High - 1<br>TTL Low/NC - 0 |

### Mechanical

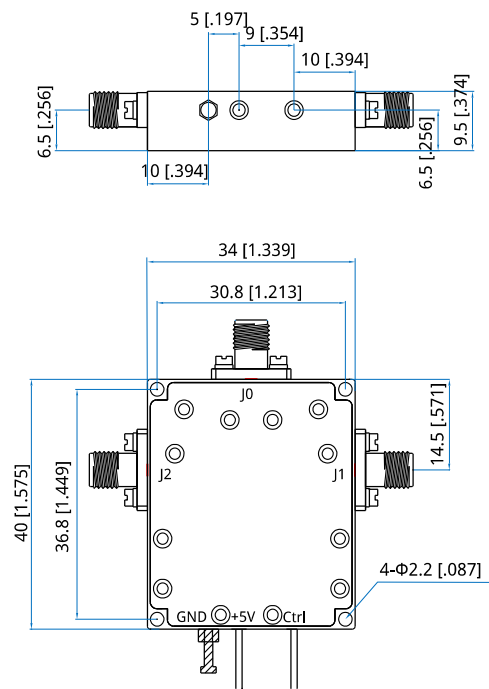
|                          |                                    |
|--------------------------|------------------------------------|
| Size*1:                  | 40*34*9.5mm<br>1.575*1.339*0.374in |
| Weight:                  | 37g max.                           |
| Material:                | Aluminum                           |
| RF Connectors:           | SMA Female                         |
| Power Supply Connectors: | Feed Through/Terminal Post         |
| Mounting:                | 4-Φ2.2mm through-hole              |

[1] Exclude connectors.

### Environmental

|                            |            |
|----------------------------|------------|
| Operating Temperature:     | -45~+85°C  |
| Non-operating Temperature: | -55~+125°C |

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### Control True Table

| Ctrl | Connection              |
|------|-------------------------|
| 0    | J0 - J2 On, J0 - J1 Off |
| 1    | J0 - J1 On, J0 - J2 Off |

### How To Order

**NPS2-0-6000-R**

Customization is available upon request.