

HX14KG1091G SP4T Switch

1. Description

| ID | Items | Specifications |
|------|-------------------------|-----------------------------------------------------------------|
| 1-1 | Type | Absorptive SP4T Switch |
| 1-2 | Frequency Range | 50MHz ~ 20GHz |
| 1-3 | Isolation | ≥85dB@DC ~ 6GHz ≥80dB@6GHz ~ 12GHz ≥70dB@12GHz ~ 20GHz |
| 1-4 | Insertion Loss | ≤2.8dB@DC ~ 6GHz ≤3.0dB@6GHz ~ 12GHz ≤4.0dB@12GHz ~ 20GHz |
| 1-5 | VSWR | ≤1.8 |
| 1-6 | Impedance | 50Ω |
| 1-7 | RF Input Power | 23dBm |
| 1-8 | Switching Speed | ≤100ns |
| 1-9 | Input/Output Connectors | SMA-F |
| 1-10 | Control Connectors | Φ0.8mm Glass Bead |
| 1-11 | Control | TTL=0 ~ 0.8V/3.3 ~ 5V |
| 1-12 | DC Power Supply | +5V/≤20mA |

2. Environmental Specifications

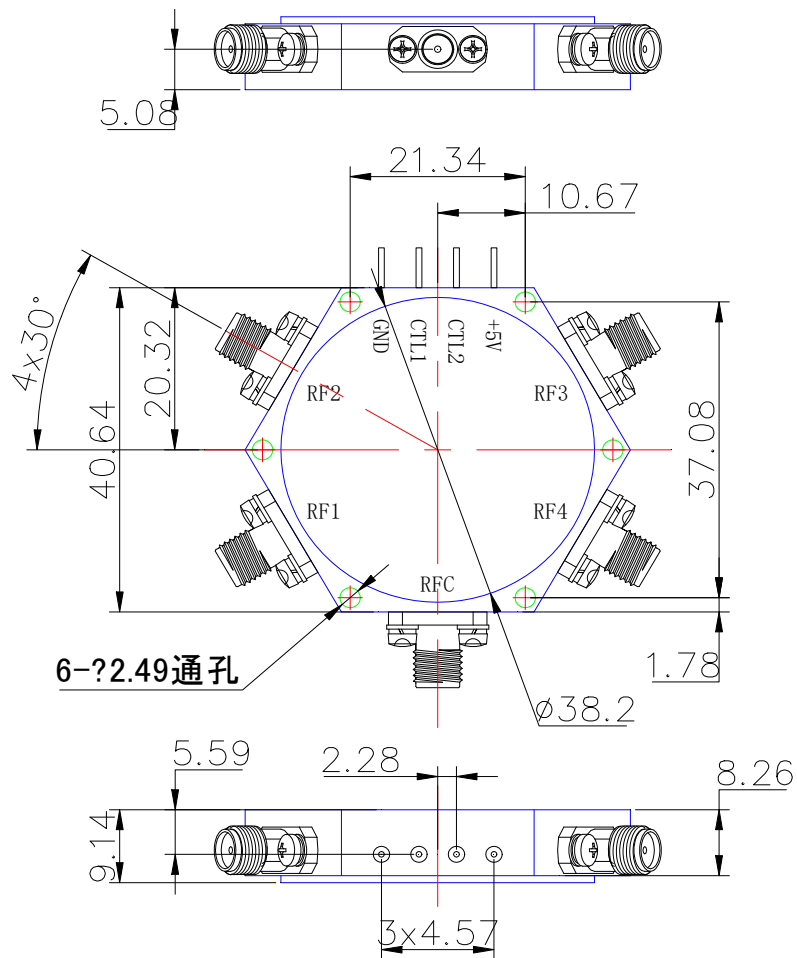
| ID | Items | Specifications |
|-----|-------------------------|----------------|
| 2-1 | Operational Temperature | -40°C ~ +70°C |
| 2-2 | Storage Temperature | -55°C ~ +85°C |

3. Truth Table

| ID | CTL2 | CTL1 | Signal Path State |
|-----|------|------|-------------------|
| 3-1 | 0 | 0 | J0→J1 |
| | 0 | 1 | J0→J2 |
| | 1 | 0 | J0→J3 |
| | 1 | 1 | J0→J4 |

4. Outline Drawing

| ID | Items | Specifications |
|-------------------|-----------------|----------------|
| 4-1 | Outline Drawing | Unit: mm |
| Tolerances:±0.1mm | | |



| | | |
|-----|----------|---------------|
| 4-2 | Material | Aluminum |
| 4-3 | Finish | Natural Color |
| 4-4 | Weight | / |

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.