

HX14KG2091G SP4T Switch

1. Description

| ID | Items | Specifications |
|------|-------------------------|---|
| 1-1 | Type | Absorptive SP4T Switch |
| 1-2 | Frequency Range | 0.3GHz ~ 40GHz |
| 1-3 | Isolation | ≥70dB |
| 1-4 | Insertion Loss | ≤2.0dB@0.3GHz ~ 6GHz Typical ≤4.5dB@6GHz ~ 18GHz Typical ≤6.5dB@18GHz ~ 40GHz Typical |
| 1-5 | VSWR | ≤3.0 |
| 1-6 | Impedance | 50Ω |
| 1-7 | RF Input Power | 23dBm |
| 1-8 | Switching Speed | ≤200ns |
| 1-9 | Input/Output Connectors | 2.92mm-F |
| 1-10 | Control | TTL=0V/3.3V ~ 5V |
| 1-11 | DC Power Supply | +5V/≤200mA |

2. Environmental Specifications

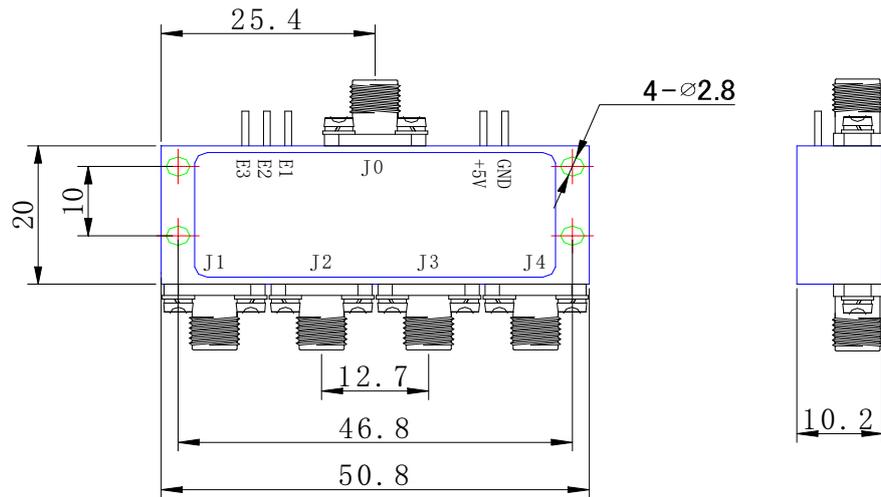
| ID | Items | Specifications |
|-----|-------------------------|----------------|
| 2-1 | Operational Temperature | -40°C ~ +70°C |
| 2-2 | Storage Temperature | -55°C ~ +85°C |

3. Truth Table

| ID | E3 | E2 | E1 | Signal Path State |
|-----|----|----|----|-------------------|
| 3-1 | 0 | 0 | 0 | J0-J1 |
| | 0 | 0 | 1 | J0-J2 |
| | 0 | 1 | 0 | J0-J3 |
| | 0 | 1 | 1 | J0-J4 |
| | 1 | X | X | ALL OFF |

4. Outline Drawing

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



| | | |
|-----|----------|---------------|
| 4-2 | Material | Aluminum |
| 4-3 | Finished | Nickel Plated |
| 4-4 | Weight | ≤40g |

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