

# HX14KG4082G SP4T Switch

## 1. Description

| ID   | Items                   | Specifications                          |
|------|-------------------------|-----------------------------------------|
| 1-1  | Type                    | Reflective SP4T Switch                  |
| 1-2  | Frequency Range         | 300KHz ~ 8GHz                           |
| 1-3  | Isolation               | ≥55dB                                   |
| 1-4  | Insertion Loss          | ≤3.0dB@300KHz ~ 6GHz<br>≤3.5dB@6 ~ 8GHz |
| 1-5  | VSWR                    | ≤1.5                                    |
| 1-6  | Impedance               | 50Ω                                     |
| 1-7  | RF Input Power          | 30dBm                                   |
| 1-8  | Switching Speed         | ≤400ns                                  |
| 1-9  | Input/Output Connectors | SMA-F                                   |
| 1-10 | Control                 | TTL=0 ~ 0.8V/3.3 ~ 5V                   |
| 1-11 | DC Power Supply         | +5V/≤50mA                               |

## 2. Environmental Specifications

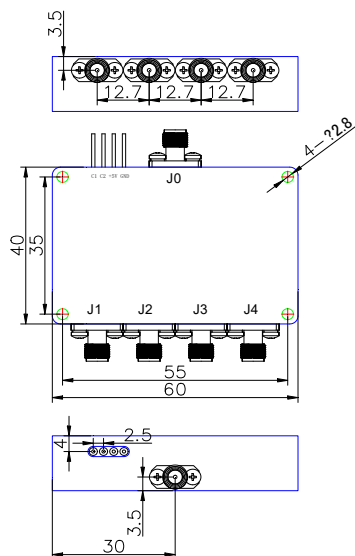
| ID  | Items                   | Specifications |
|-----|-------------------------|----------------|
| 2-1 | Operational Temperature | -40℃ ~ +70℃    |
| 2-2 | Storage Temperature     | -55℃ ~ +85℃    |

## 3. Truth Table

| ID  | E2 | E1 | 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 | Finished | Nickel Plated |
| 4-4 | Weight   | ≤80g          |

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