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| REV | DESCRIPTION OF REVISION | ECN NO. | BY    | DATE     | APPROVED |
|-----|-------------------------|---------|-------|----------|----------|
| A   | Initial Release         | —       | H.wei | 19/03/17 | 19/03/17 |

### 1 Electrical

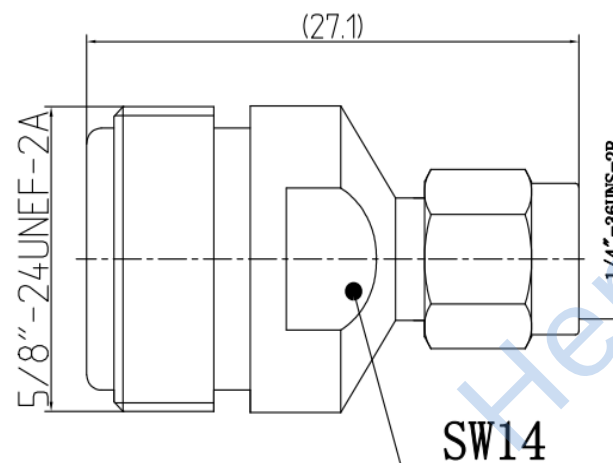
- 1.1 Impedence  $50\ \Omega$
- 1.2 Frequency  $0\sim 11\text{GHz}$
- 1.3 Dielectric withstanding voltage  $1000\text{V}(\text{volts RMS})$
- 1.4 Center contact resistance  $\leq 3\text{M}\Omega$
- 1.5 Outer contact resistance  $\leq 2\text{M}\Omega$
- 1.6 Insulation resistance:  $\geq 5000\text{M}\Omega$

### 2 Environmental&Mechanical

- 2.1 Temperature range  $-55^{\circ}\text{C}\sim 155^{\circ}\text{C}$
- 2.2 RoHs Compliant
- 2.3 Durability  $>500$  cycles

### 3 Materials&plating

- 3.1 Body: Brass, nickel plated
- 3.2 Insulator: Teflon
- 3.3 Contact Pin: Beryllium copper, Gold plated
- 3.4 Coupling nut: Brass, Gold plated
- 3.5 Spring: Phosphor bronze, nickel plated
- 3.6 Gasket: Silicon Rubber



#### Notes:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

|                                                                                                                    |                                                         |                                                                                                                     |            |            |        |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------|------------|--------|
| DRAWN: H.wei 19/03/17                                                                                              | TITLE:<br>RF Adaptor<br>N Female to SMA Male<br>Adaptor |                                |            |            |        |
| ENGINEER: L.yu 19/03/17                                                                                            |                                                         |  DIMENSION IN MILLIMETERS (mm) |            |            |        |
| APPROVED: W.yi 19/03/17                                                                                            |                                                         | SIZE: A4                                                                                                            | SCALE: N/A | SHEET: 1/1 | REV: A |
| TOLERANCES UNLESS OTHERWISE SPECIFIED<br>X $\pm 0.50$<br>.X $\pm 0.20$<br>.XX $\pm 0.10$<br>ANGLES $\pm 1^{\circ}$ | PART NO: HL-N-SMA-KJA                                   |                                                                                                                     |            |            |        |