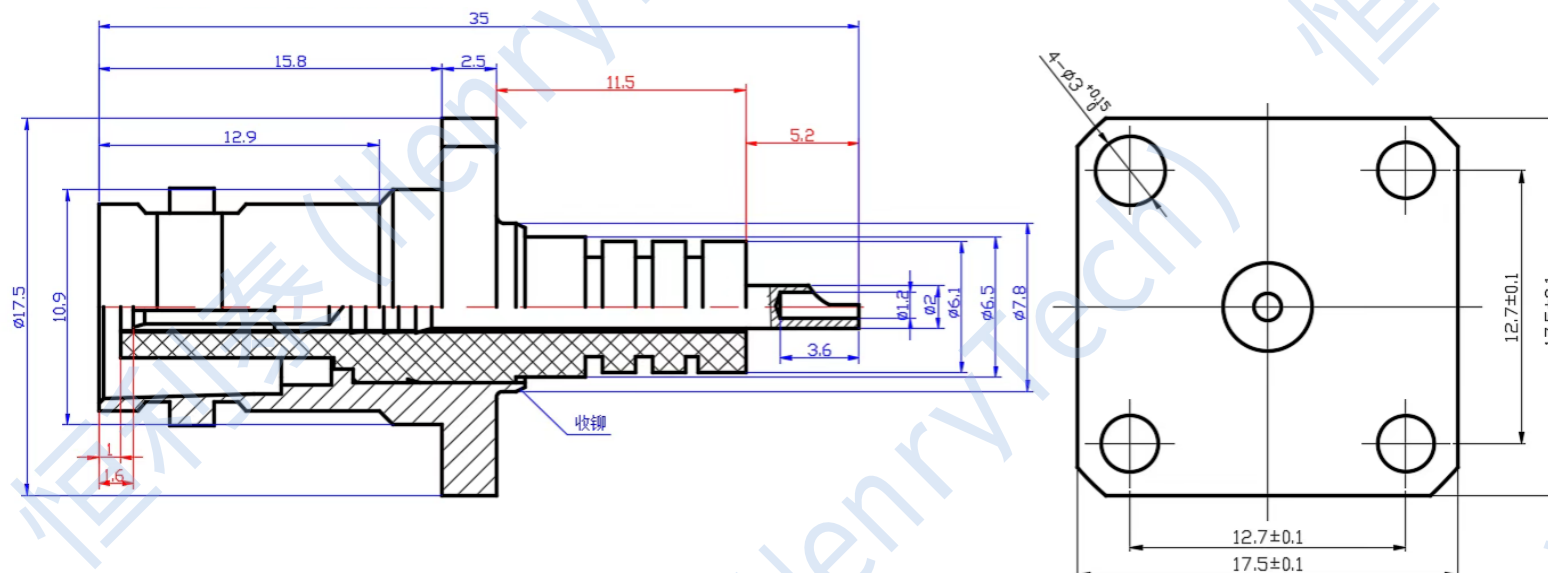


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| REV | DESCRIPTION OF REVISION | ECN NO. | BY    | DATE     | APPROVED |
|-----|-------------------------|---------|-------|----------|----------|
| A   | Initial Release         | —       | H.wei | 19/03/17 | 19/03/17 |



### 1 Electrical

- 1.1 Impedance 50  $\Omega$
- 1.2 Frequency DC-1GHz
- 1.3 Dielectric withstanding voltage 5KV rms,
- 1.4 Working voltage( at sea level) 3KV rms,
- 1.5 Insulation resistance  $\geq 5000 \cdot 10^3 M \Omega$
- 1.3 Center contact resistance  $\leq 2 M \Omega$
- 1.4 Outer contact resistance  $\leq 1 M \Omega$
- 1.5 Corona extinction voltage  $\geq 300 V$  rms
- (at 21000 m)
- 1.9 Current rating continuous  $\leq 10 A$

### 2 Environmental&Mechanical

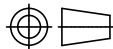
- 2.1 Temperature range  $-55^{\circ}C \sim 155^{\circ}C$
- 2.2 RoHs Compliant
- 2.3 Durability  $> 500$  cycles

### 3 Materials&Finish

- 3.1 Body: Brass, Nickel plated
- 3.2 Insulator: Teflon
- 3.3 Contact Pin: Phosphor bronze, gold plated
- 3.4 Washer: Beryllium, nickel plated
- 3.5 Nut: Copper, nickel plated

### 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:                    |                                |            |            |        |
| ENGINEER: L.yu 19/03/17               | RF Connector              |                                                                                                                     |            |            |        |
| APPROVED: W.yi 19/03/17               | MHV Female Flange Conn.   |  DIMENSION IN MILLIMETERS (mm) |            |            |        |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | For Terminal              |                                                                                                                     |            |            |        |
| X $\pm 0.50$                          | PART NO: HL3-MHV-KFD-3000 | SIZE: A4                                                                                                            | SCALE: N/A | SHEET: 1/1 | REV: A |
| .X $\pm 0.20$                         |                           |                                                                                                                     |            |            |        |
| .XX $\pm 0.10$                        |                           |                                                                                                                     |            |            |        |
| ANGLES $\pm 1^{\circ}$                |                           |                                                                                                                     |            |            |        |