

1

2

3

4

5

6

7

8

RoHS Compliance

14.0±1

12.0±1

21.6±1

| Card slot direction | Code | Color        | RAL      | Order Information       |
|---------------------|------|--------------|----------|-------------------------|
|                     | A    | Black        | sim.9005 | KLS1-HSD-FAKRA11-9005-1 |
|                     | B    | White        | sim.9001 | KLS1-HSD-FAKRA11-9001-1 |
|                     | C    | Blue         | sim.5005 | KLS1-HSD-FAKRA11-5005-1 |
|                     | D    | Bordeaux     | sim.4004 | KLS1-HSD-FAKRA11-4004-1 |
|                     | E    | Green        | sim.6002 | KLS1-HSD-FAKRA11-6002-1 |
|                     | F    | Brown        | sim.8011 | KLS1-HSD-FAKRA11-8011-1 |
|                     | G    | Grey         | sim.7031 | KLS1-HSD-FAKRA11-7031-1 |
|                     | H    | Violet       | sim.4003 | KLS1-HSD-FAKRA11-4003-1 |
|                     | I    | Beige        | sim.1001 | KLS1-HSD-FAKRA11-1001-1 |
|                     | J    | Curry        | sim.1027 | KLS1-HSD-FAKRA11-1027-1 |
|                     | K    | Carmine      | sim.3002 | KLS1-HSD-FAKRA11-3002-1 |
|                     | L    | Pastelorange | sim.2003 | KLS1-HSD-FAKRA11-2003-1 |
|                     | M    | Waterblue    | sim.5021 | KLS1-HSD-FAKRA11-5021-1 |

Order Information

L-KLS1-HSD-FAKRA11-9005-1

RoHS

RAL:5005 Or

9001,9005,4004,6002,8011,7031,4003,1001,1027,3002,2003,5021

Size-1,2,3,4...

Material:

Body:Housing:PA66

Metal:Zinc Alloy,Nickel plated

Bent Female socket:Brass,Nickel plated

Dielectric:PA66,Natural

Center Contact:Brass,Au Plated

Elbow Cover Plate:Stainless Steel

Electric:

Frequency:0-2 GHz

Impedance:100 Ω

Return Loss:

Frequency:GHz      Return Loss

0<f≤1                      ≥20

1<f≤2                      ≥17

D.W.V:500VRMS Min

Insulation Resistance:1000MΩ Min

The total connection resistance of the inner conductor must not exceed 10 mΩ

The outer conductor resistance must not exceed 5mΩ initially and 6mΩ after environmental testing

Mechanical:

Mating Cycles:25 Min

Insertion force:30N Max

Withdraw force:5N Min

Outer contact Retention force in housing:110N Min

Temperature range:-40℃ ~ +105℃

| ANGLE TOLERANCE   | PROJECTION | Description:        |
|-------------------|------------|---------------------|
| ±3°               |            | HSD FAKRA Connector |
| GENERAL TOLERANCE | UNITS      | mm                  |
| .X ±0.30          | SHEET SIZE | A4                  |
| .XX ±0.20         | Draw:      | Song                |
| .XXX ±0.10        | Check:     | Daniel              |

KLS electronic

NingBo KLS ELECTRONIC CO.,L TD.

|     |          |                     |       |            |
|-----|----------|---------------------|-------|------------|
| REV | SYM      | Revision Record     | Appr. | Date       |
| V0  | KLS13035 | New Version Release | Song  | 2025-06-11 |
|     |          |                     |       |            |

Body:500PCS/PE(Bag)

Dielectric: 10000PCS/PE(Bag)

Center Contact: 10000PCS/Plate

Elbow Cover Plate: 1000PCS/PE(Bag)

P/O NO:  
ITEM NO:  
P/N:  
QTY: PCS  
G.W: KG  
N.W: KG  
SIZE: 225×200×150MM

|                   |            |                                                                                       |            |                                                                                       |                                 |
|-------------------|------------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------|
| ANGLE TOLERANCE   |            | PROJECTION                                                                            |            | Description:                                                                          |                                 |
| ±3°               |            |  |            | HSD FAKRA Connector                                                                   |                                 |
| GENERAL TOLERANCE |            | UNITS                                                                                 | mm         | KLS P/N:                                                                              | L-KLS1-HSD-FAKRA11-XXXX-1       |
| .x ±0.30          | SHEET SIZE | A4                                                                                    | 2 OF 2     |  | NingBo KLS ELECTRONIC CO.,L TD. |
| .xx ±0.20         | Draw:      | Song                                                                                  | 2025-06-11 |                                                                                       |                                 |
| .xxx ±0.10        | Check:     | Daniel                                                                                | 2025-06-11 |                                                                                       |                                 |