

NOTICE:
RoHS

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

CUSTOMER OUTLINE DRAWING

REV.

DESCRIPTION

ECN NO.

NAME

DATE

A0

FIRST EDITION

N/A

XU

2025/07/28

9.4

12.0

13.4

34.5

NOTES:

1. Material and plating: SEE TABLE

2. Electrical data:

2.1. Impedance: 50 Ω

2.2. Frequency: DC to 6 GHz

2.3. Return loss: ≥15.56 dB (DC to 2 GHz)
≥13.98 dB (2 to 3 GHz)
≥12.74 dB (3 to 6 GHz)

2.4. Insertion loss: ≤ 0.1 x f(GHz) dB

2.5. Insulation resistance: 1000 MΩ MIN.

2.6. Center contact resistance: 5 mΩ MAX

2.7. Outer contact resistance: 5 mΩ MAX

2.8. Test voltage: 750 V rms

2.9. Working voltage: 60 V rms

2.9. Power current: ≤ 1 A DC

3. Mechanical data:

3.1 Mating cycles: ≥25

3.2 Engagement force: ≤25 N

3.3 Retention force plastic housing:≥ 110 N

3.4 Coding efficiency: ≥ 40 N

4. Environmental data

4.1 Temperature range: -40°C TO +105°C

4.2 Watertightness: IP67

TABLE:

7	7	Sealing cap	PBT	BLACK	1
6	6	Sealing ring	SILICONE	BLACK	1
5	5	Crimping ferrule	COPPER ALLOY	TIN	1
4	4	Outer contact	COPPER ALLOY	TIN	1
3	3	Dielectric	PBT	WHITE	1
2	2	Center contact	COPPER ALLOY	GOLD/TIN	1
1	1	Housing	PBT	SEE SHEET 2	1
	ITEM	PART NAME	MATERIAL	PLATING/COLOR	Q'TY

APPROVED:

CHECKED:

CHECKED:

DRAWING:

CUSTOMER P/N:

REV. :
A0

SCALE:
3:1

DATE:
2025-07-28

TITLE:
FAKRA FEMALE FOR RG174、RTK031、RG58 CONNECTOR (Waterproof)

DRAWING NO.

ORDER NO.
805020-00-014~016

THIRD ANGLE PROJECTION

TOLERANCES ARE:
DECIMALES ANGLES
.x ±0.5 x.° ±5.0°
.xx ±0.3 x.° ±3.0°

UNITS: mm

SHEET: 1 OF 4

SIZE: A4

http://www.sz-signal.com

http://www.signal-connector.com

DATE _____

2023/08/23



SIZE:	A4
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F

2023/08/23



UNITS: mm	SIZE: A4
SHEET: 4 OF 4	