

NOTICE:
RoHS

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

CUSTOMER OUTLINE DRAWING

ORDER NO.

CABLE TYPE

805030-00-047-X

RG174

805030-00-048-X

RTK031

4.0

14.0±0.2

4.0

18.8±0.2

14.70

11.1±0.2

1

4

2

3

NOTES:

1. Material and plating: SEE TABLE

2. Electrical data:

2.1. Impedance: 50 Ω

2.2. Frequency: DC to 9 GHz

2.3. Return loss: ≥20 dB (DC to 3 GHz)

≥14 dB (3 to 6 GHz)

≥11 dB (6 to 9 GHz)

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

2.5. Insulation resistance: 1000 MΩ MIN.

2.6. Center contact resistance: 15 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: ≤15 N

3.3 Retention force latch:≥ 110 N

3.4 Coding efficiency: ≥ 150 N

4. Environmental data

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

TABLE:

7	CPA	PBT	RED	1
6	TPA	PBT	Purple-red	2
5	Crimping ferrule	COPPER ALLOY	TIN/NICKEL	4
4	Outer contact	COPPER ALLOY	TIN/NICKEL	4
3	Dielectric	PBT	Blue/Green	4
2	Center contact	COPPER ALLOY	GOLD/TIN	4
1	Housing	PBT-GF	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:
MINI FAKRA FEMALE(T-MF) FOR RG174, RTK031
CONNECTOR (Quad) (w/ CPA)

DRAWING NO.

ORDER NO.
805030-00-047~048

THIRD ANGLE
PROJECTION

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

UNITS: mm
SHEET: 1 OF 3

SIZE: A4