

MP-A

Surface mount cable clip and clamp for RF assembly grounding and cable routing



Product Specifications:

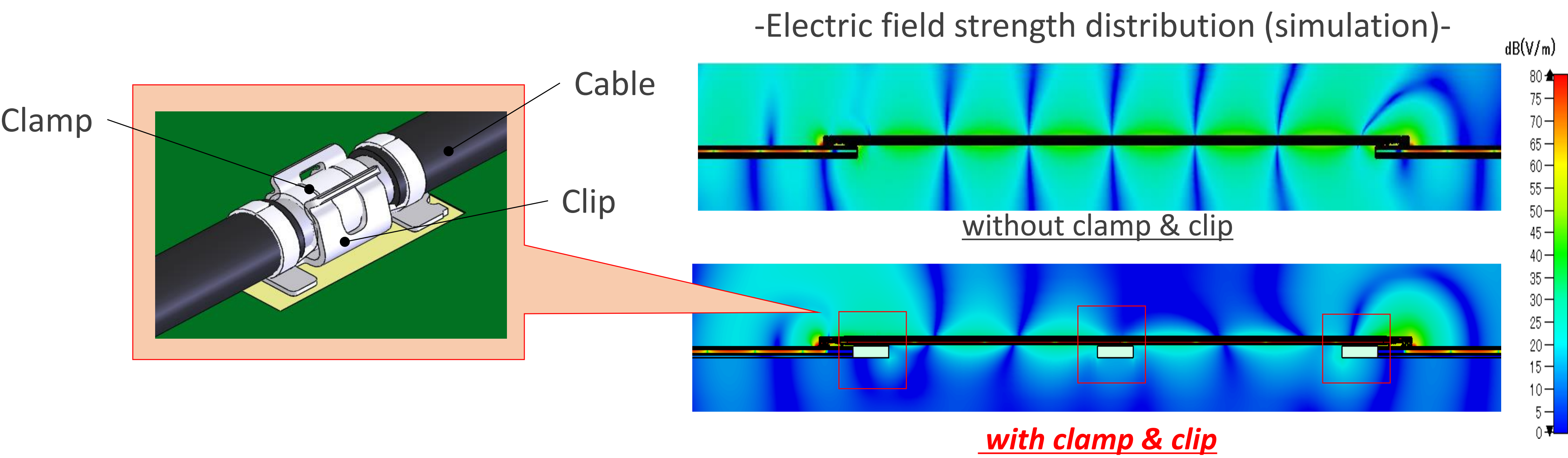
| | |
|-----------------------|---|
| Operating Temperature | 233~358 K (-40 °C ~ + 85 °C) |
| Operating Humidity | 85% Max.(Non-Codensing) |
| Contact Resistance | INITIAL :70 mΩ Max / AFTER TEST:70 mΩ Max |
| Durability | 5 CYCLES |

Applicable Cable Size:

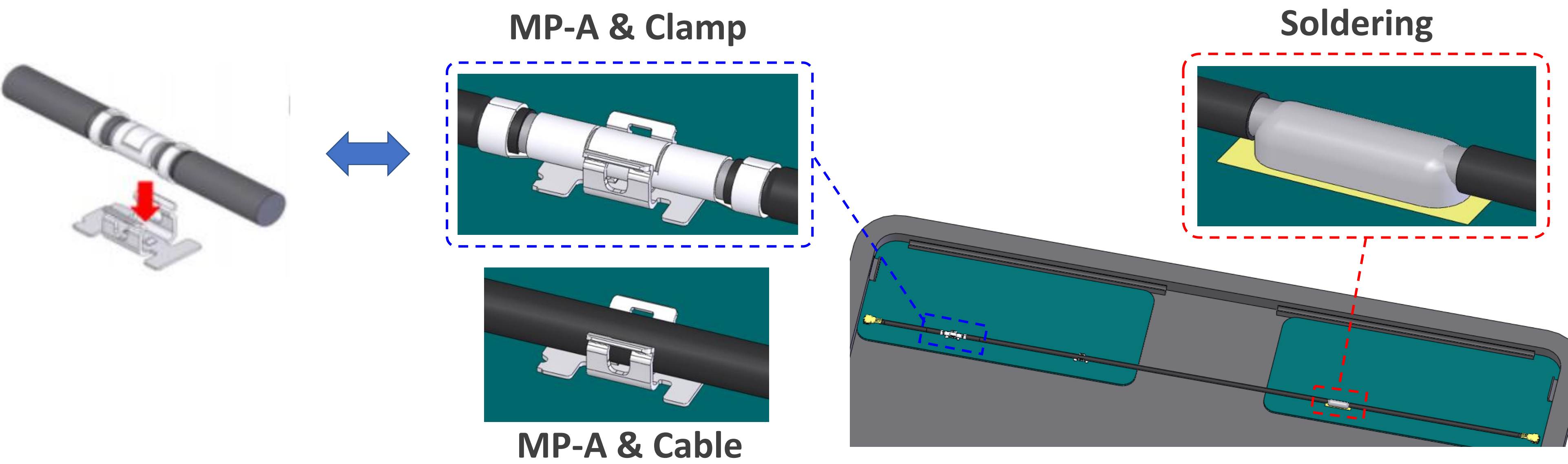
| |
|-----------------------|
| O.D. 1.37 mm / AWG 30 |
| O.D. 1.13 mm / AWG 32 |
| O.D. 0.81 mm / AWG 36 |
| O.D. 0.63 mm / AWG 36 |

* Please inquire for pin counts not listed or outside of the pin count range.

► Provides EMI improvements for dense RF applications



► Reduces tact time for assembly and rework



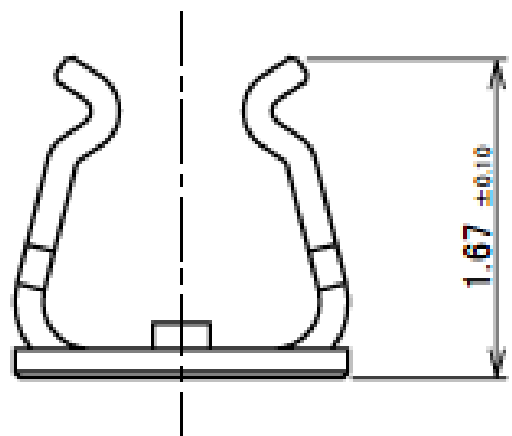
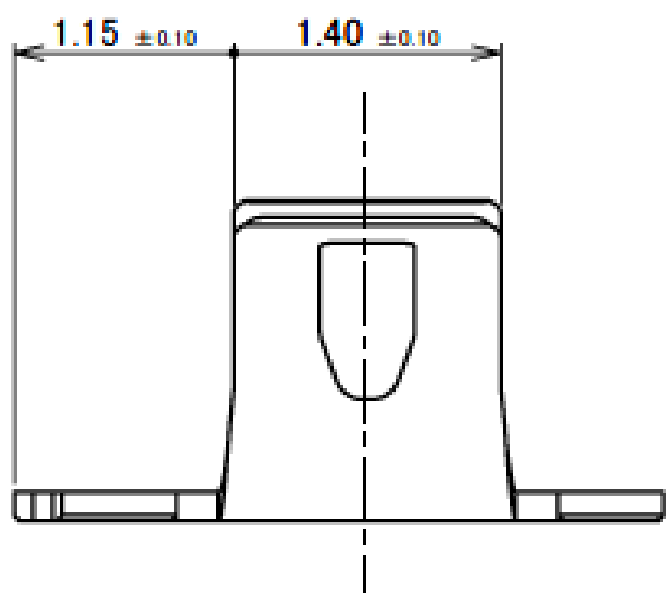
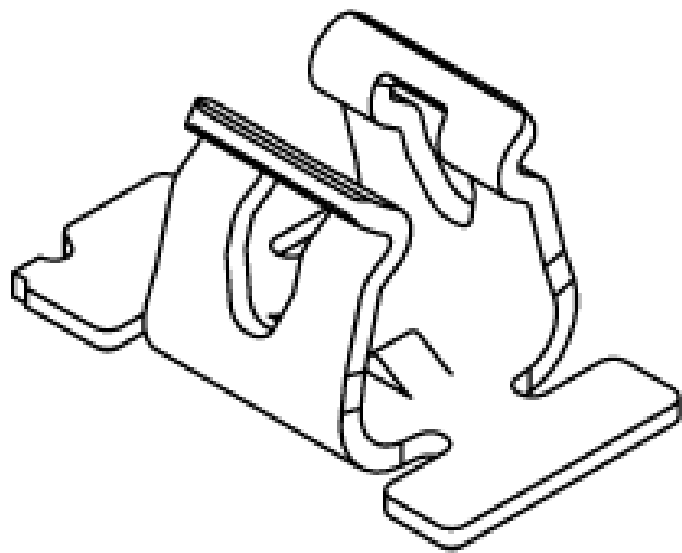
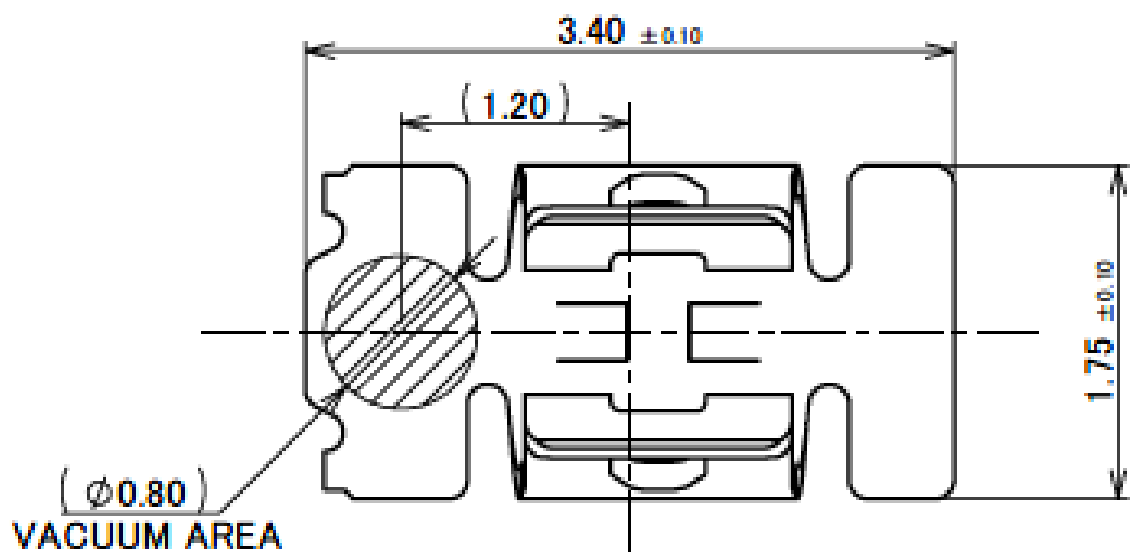
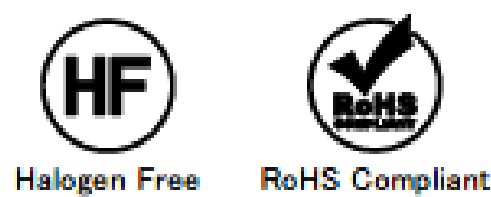
► Clamp sizes available in 3.0 mm and 6.0 mm versions depending on cable outer diameter

| | | 3 mm Clamp | 6 mm Clamp | MP-A Series |
|--|--------------|------------|------------|-------------|
| Coax O.D. (Center Conductor AWG) | 1.37 mm (30) | ✓ | ✓ | MP-A04 |
| | 1.13 mm (32) | ✓ | ✓ | MP-A02 |
| | 0.81 mm (36) | ✓ | ✓ | MP-A01 |
| | 0.64 mm (36) | ✓ | ✓ | MP-A03 |
| appearance | | | | |

Component Parts Details

MP-A04

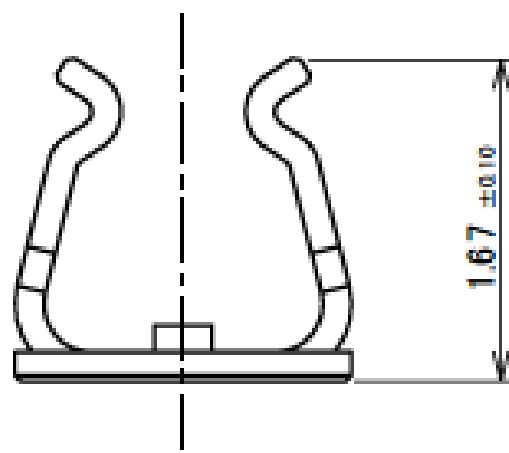
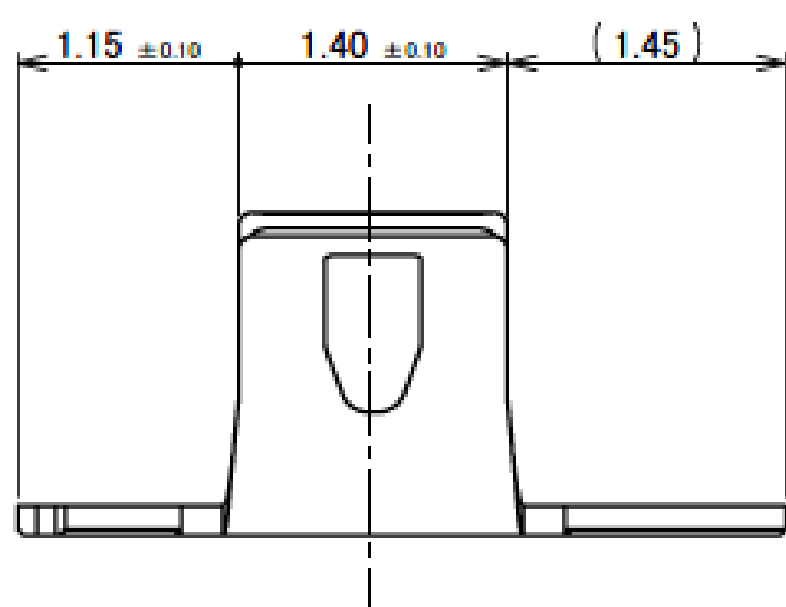
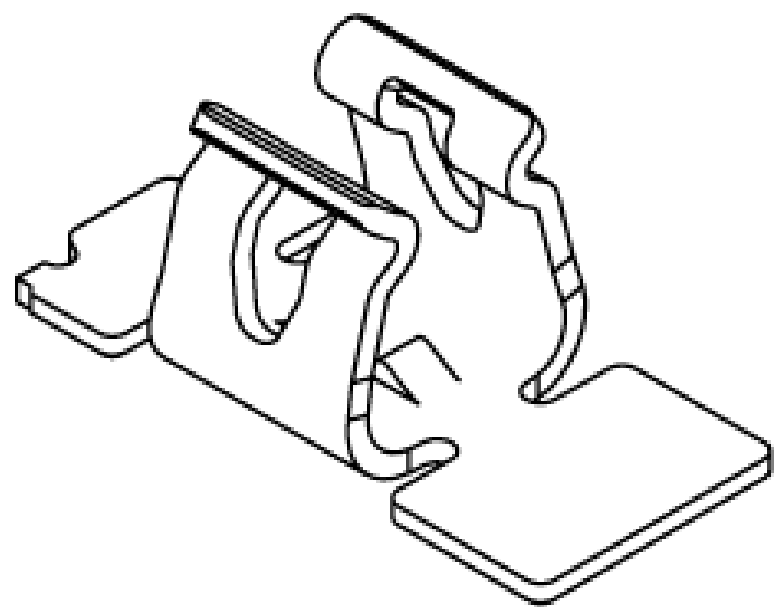
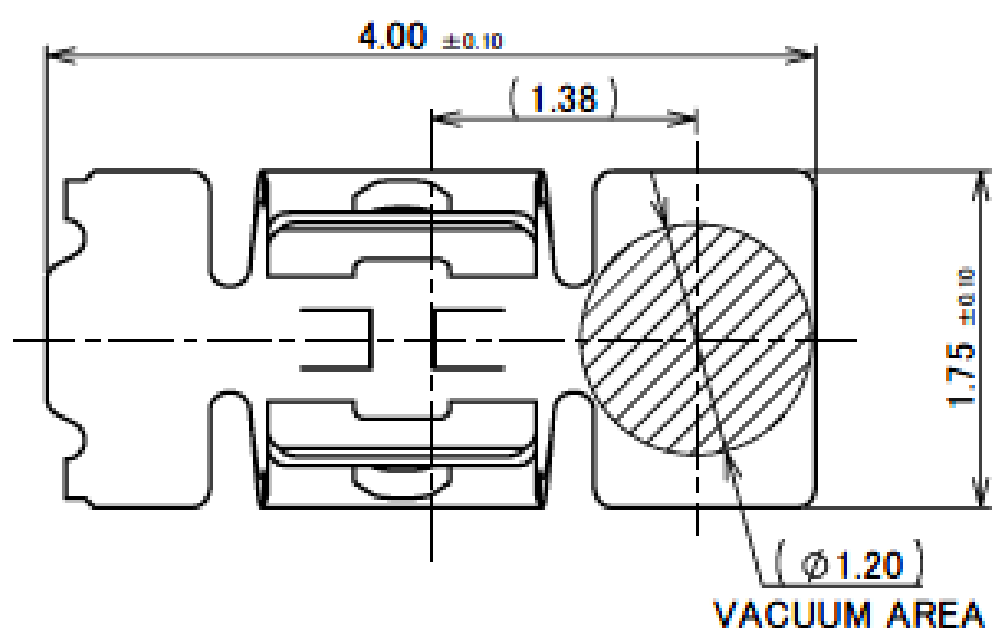
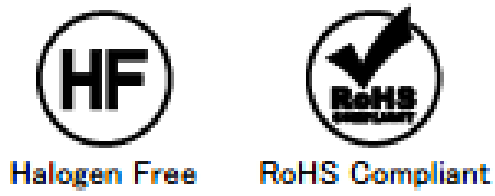
| | |
|-----------------|-----------|
| Recommended P/N | 3224-0001 |
| PART NO. | |
| 3224-0001 | |



| | | | |
|-----|-------------|-----------------|---|
| 1 | MP-A04 | PHOSPHOR BRONZE | CONTACT PART Sn 2.00 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING PART Sn 1.00 μ m MIN.OVER Ni 0.50 μ m MIN. |
| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS |

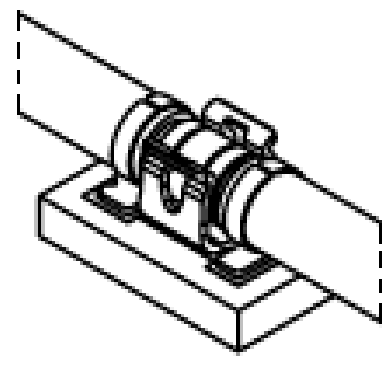
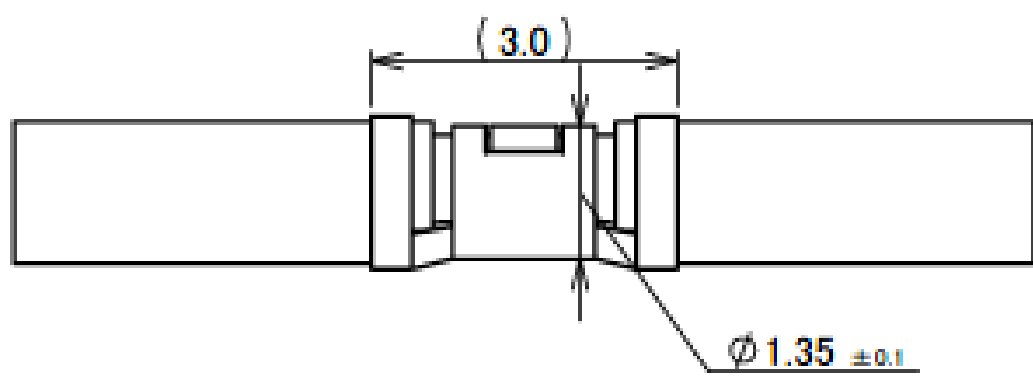
MP-A04

| | |
|-----------------|-----------|
| Recommended P/N | 3224-0001 |
| PART NO. | |
| 3224-0003 | |

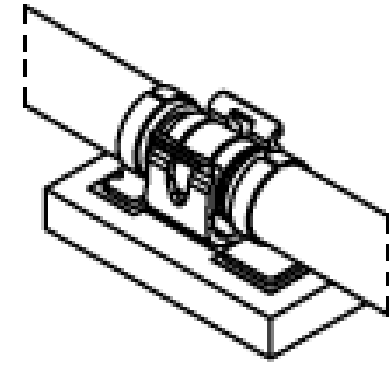


Rev.8

① $\phi 1.37$ COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 3223-0302)

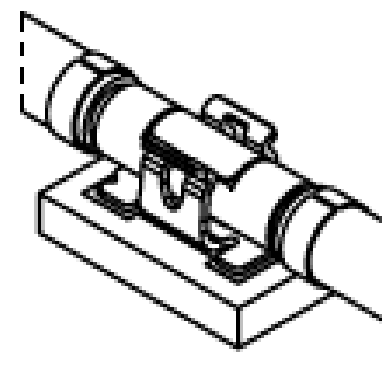
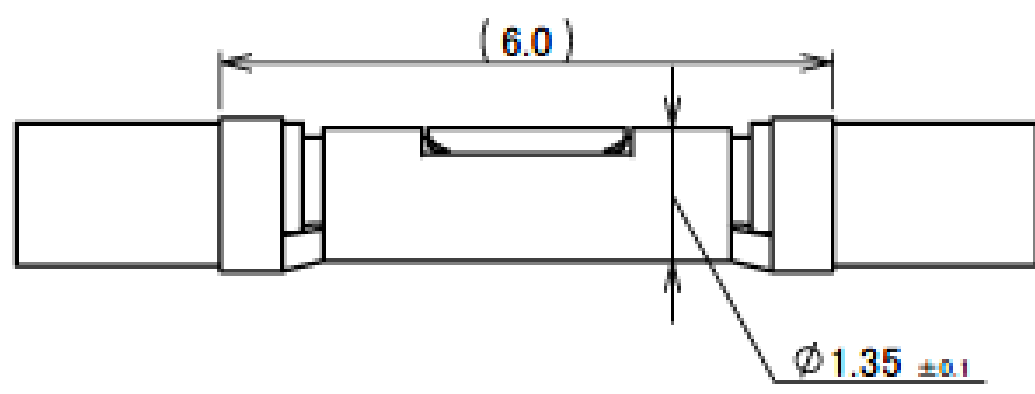


3224-0001

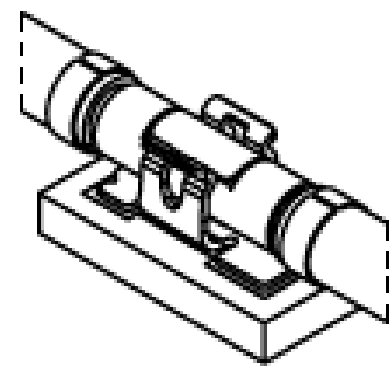


3224-0003

② $\phi 1.37$ COAXIAL CABLE WITH 6mm CABLE CLAMP (P/N : 3223-0602)

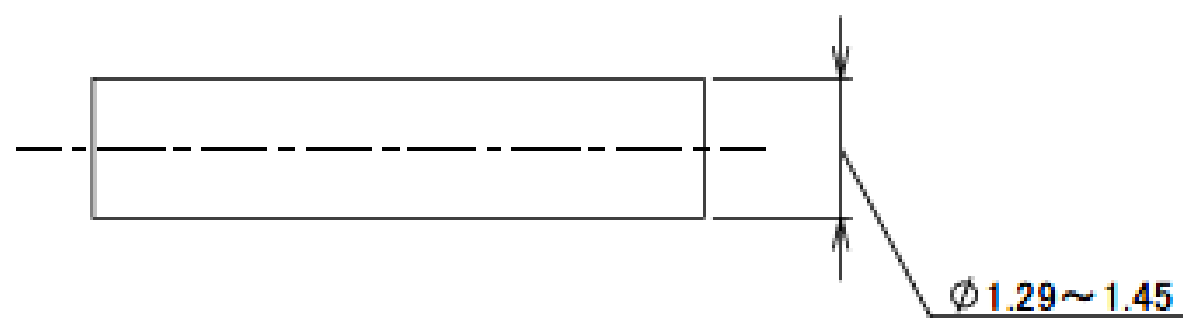


3224-0001

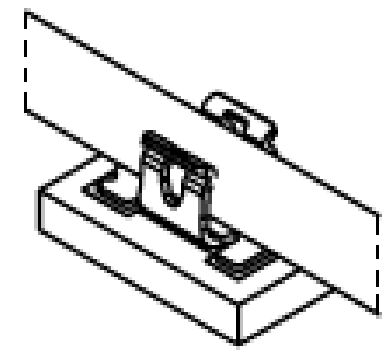


3224-0003

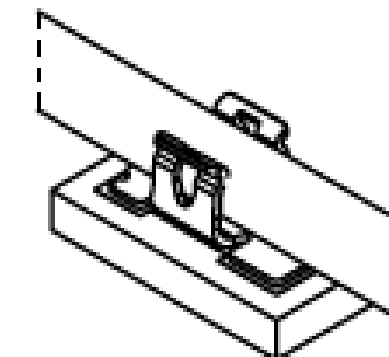
③ $\phi 1.37$ COAXIAL CABLE



APPLICABLE CABLE



3224-0001

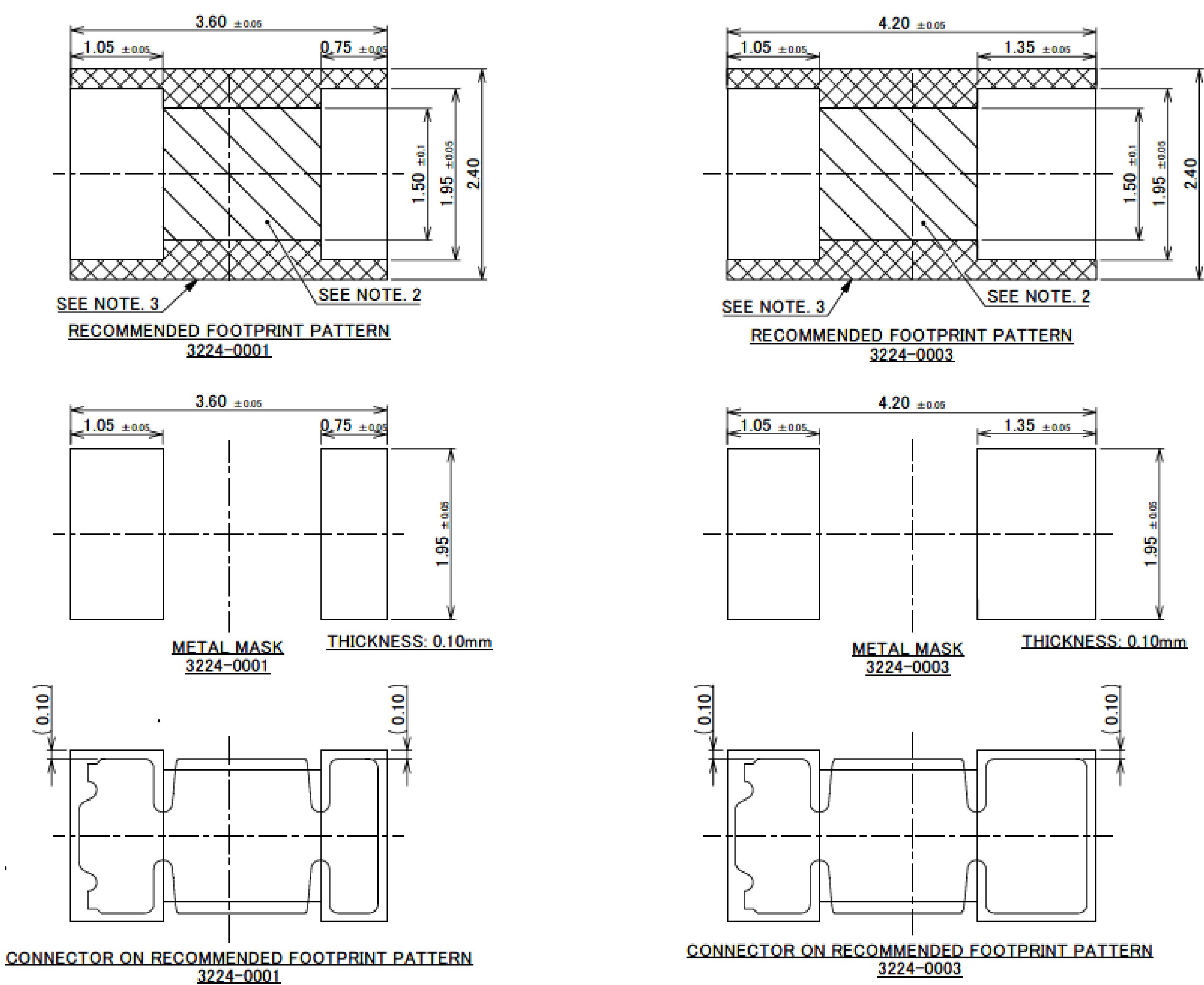


3224-0003

MATING CONDITION
(S = 6/1)

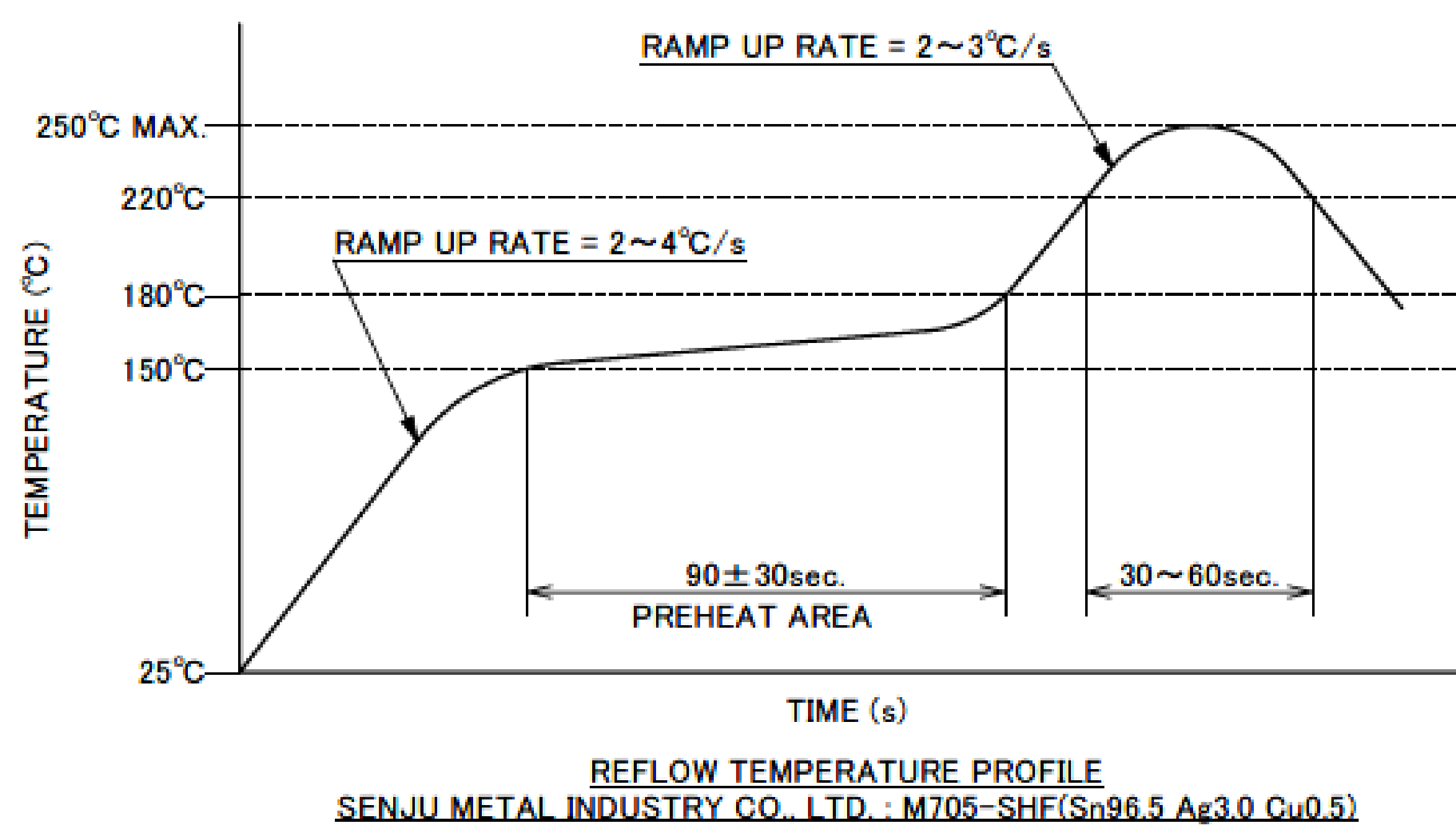
NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.8



NOTES.
2. NO GROUND, SIGNAL, AND RESIST IN THIS AREA.
3. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

Rev.8



Rev.8

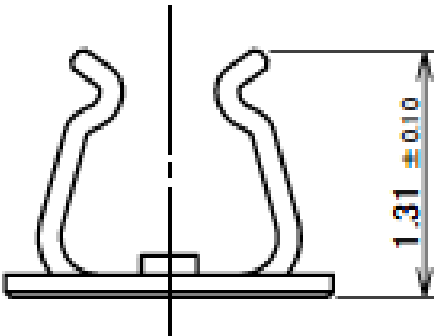
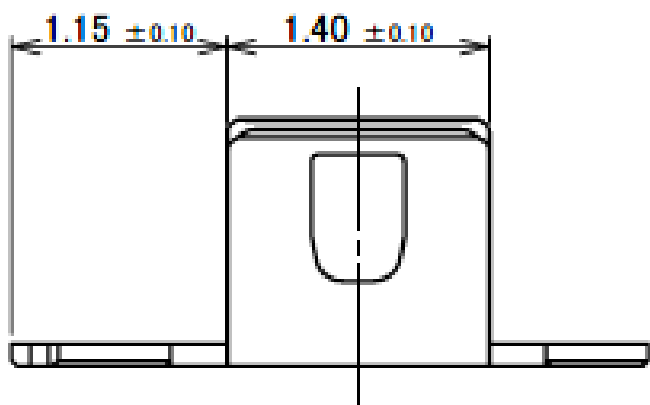
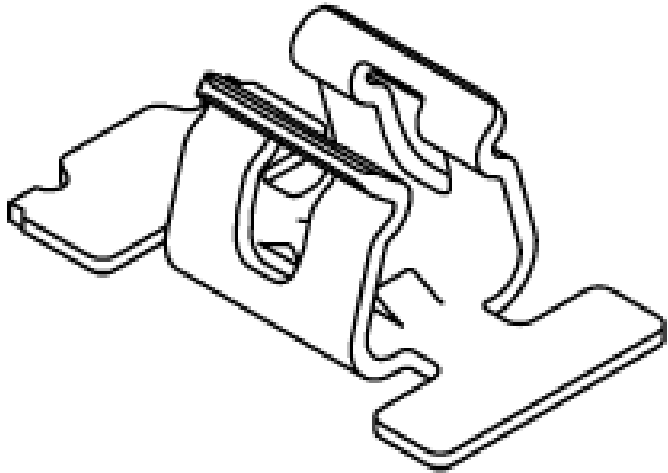
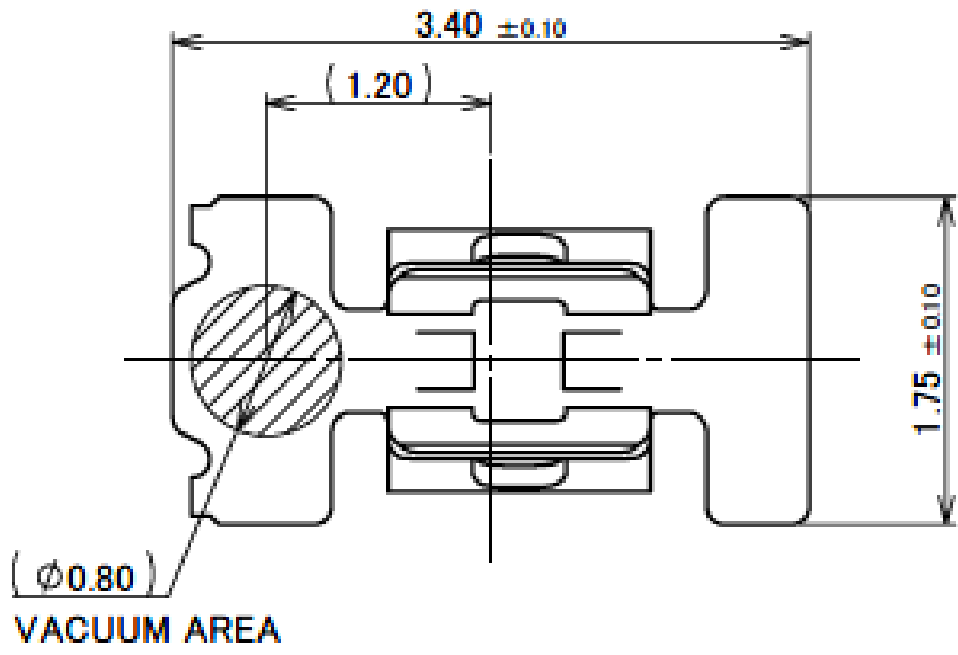
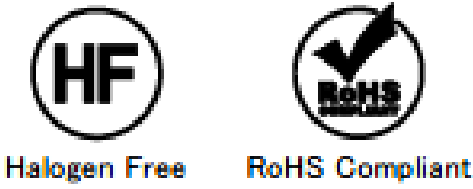
MP-A04

| ITEMS | SPECIFICATION |
|---------------------------------------|--|
| APPLICABLE CONNECTOR PART No. | •CABLE CLAMP (3mm) FOR Φ1.37 COAXIAL CABLE (P/N: 3223-0302) •CABLE CLAMP (6mm) FOR Φ1.37 COAXIAL CABLE (P/N: 3223-0602) •CABLE JACKET (OUTSIDE DIAMETER Φ1.37±0.08) OF Φ1.37 COAXIAL CABLE |
| OPERATING TEMPERATURE | 233~358K(-40℃~+85℃) |
| OPERATING HUMIDITY | 85% MAX.(NON-CONDENSING) |
| CONTACT RESISTANCE | INITIAL : 70mohm MAX. / AFTER TEST : 70mohm MAX. |
| DURABILITY | 5 CYCLES |
| MATING FORCE (INITIAL / AFTER TEST) | INITIAL : 25N MAX. / AFTER TEST : 25N MAX. |
| UNMATING FORCE (INITIAL / AFTER TEST) | INITIAL : 3N MIN. / AFTER TEST : 2N MIN. |
| PRODUCT SPECIFICATION | PRS-2235 |
| TEST REPORT | TR-16134 |
| PACKING STANDARD | PST-15066 |
| INSTRUCTION MANUAL | HIM-16012 |
| APPEARANCE CRITERIA No. | QLS-A*** |

Rev.8

MP-A02

| | |
|-----------------|-----------|
| Recommended P/N | 3182-0001 |
| PART NO. | |
| 3182-0001 | |



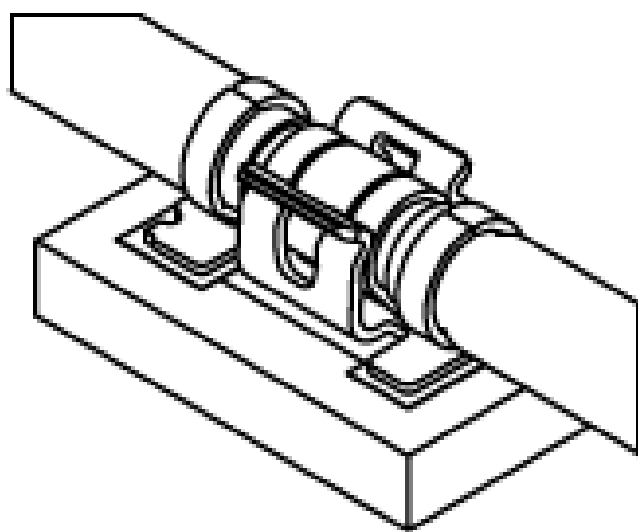
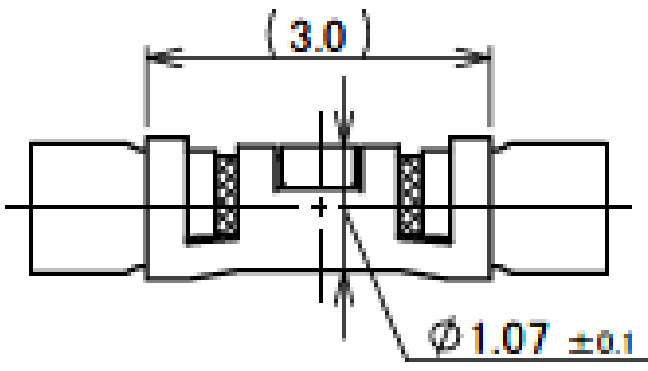
NOTE.
1. RECOMMENDED VACUUME NOZZLE SIZE : φ0.5

| | | | |
|-----|-------------|-----------------|---|
| 1 | MP-A02 | PHOSPHOR BRONZE | CONTACT PART Sn 2.00 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING PART Sn 1.00 μ m MIN.OVER Ni 0.50 μ m MIN. |
| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS |

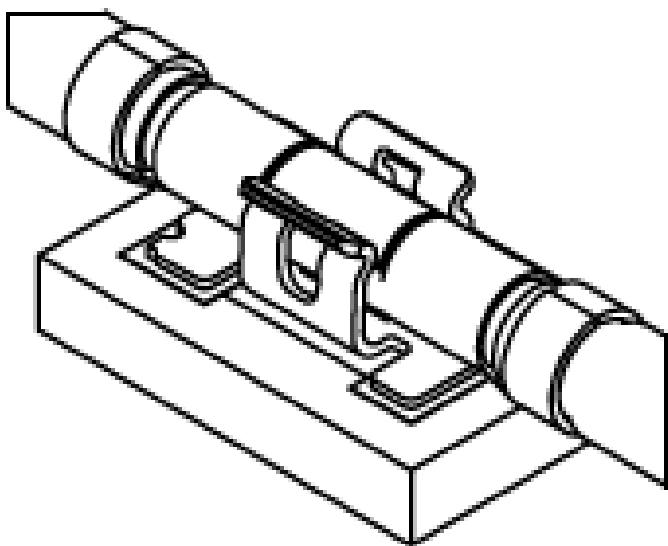
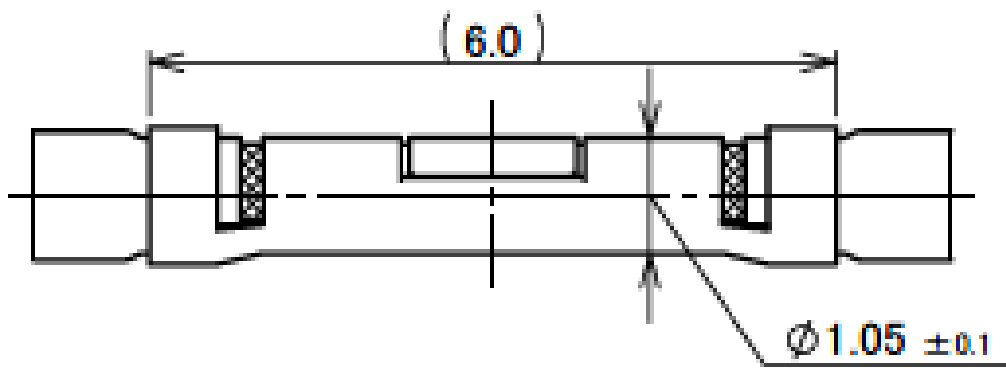
Rev.5

MP-A02

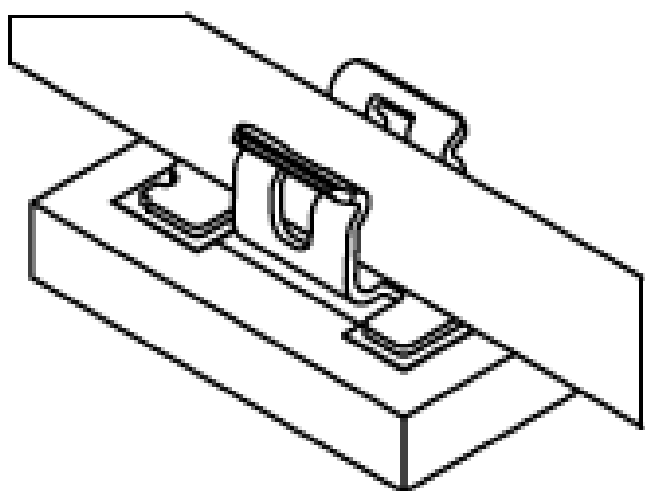
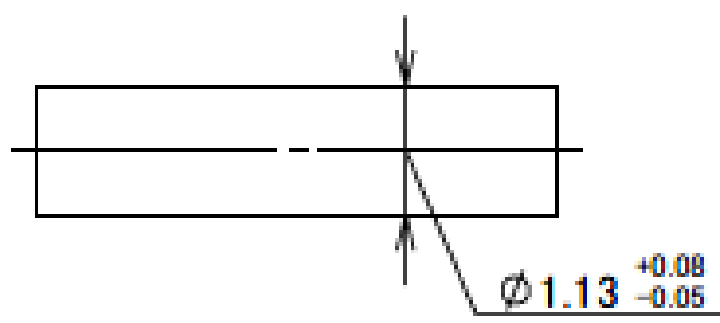
① Φ 1.13 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2912-0302)



② Φ 1.13 COAXIAL CABLE WITH 6mm CABLE CLAMP (P/N : 2912-0602)



③ Φ 1.13 COAXIAL CABLE

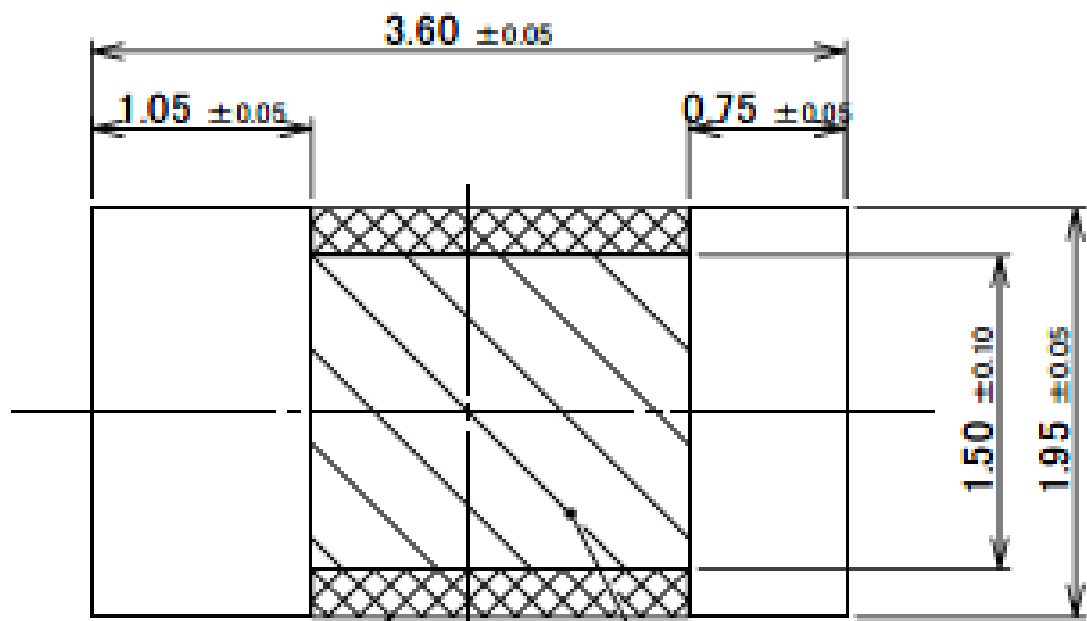


APPLICABLE CABLE

MATING CONDITION

NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

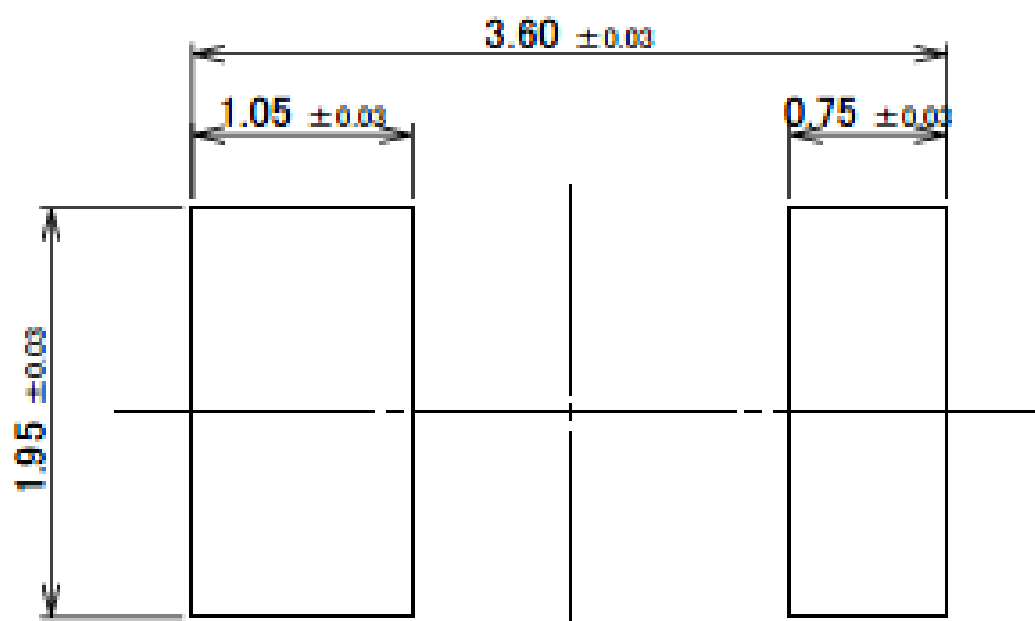
Rev.5



SEE NOTE. 4

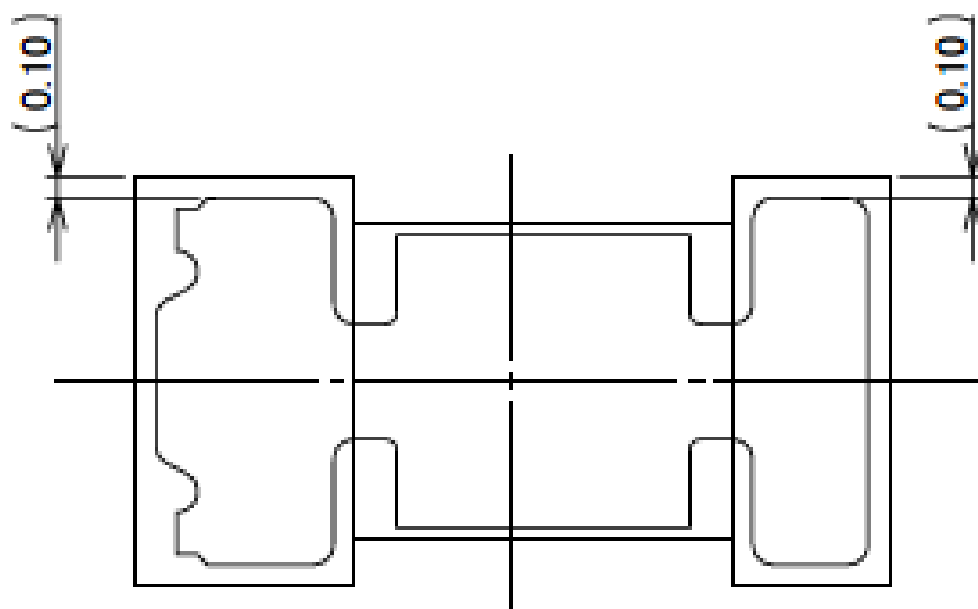
SEE NOTE. 3

RECOMMENDED FOOTPRINT PATTERN

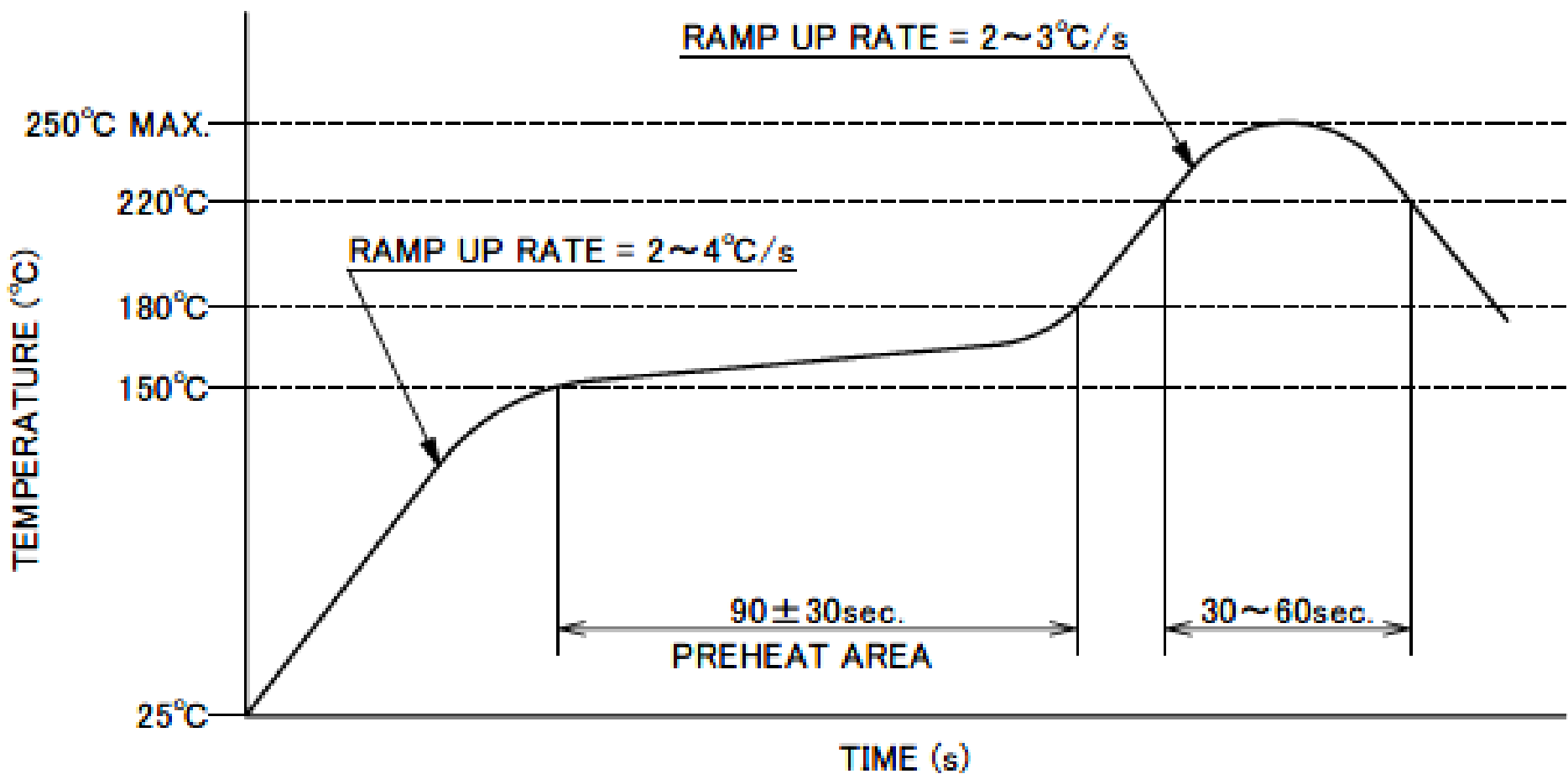


THICKNESS: 0.10mm

METAL MASK



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES.
3. NO GROUND, SIGNAL, AND RESIST IN THIS AREA.
4. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

Rev.5

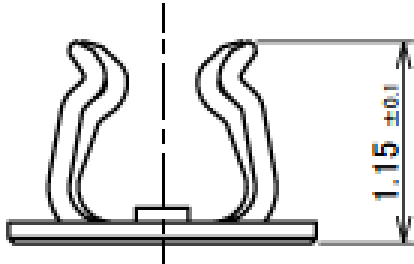
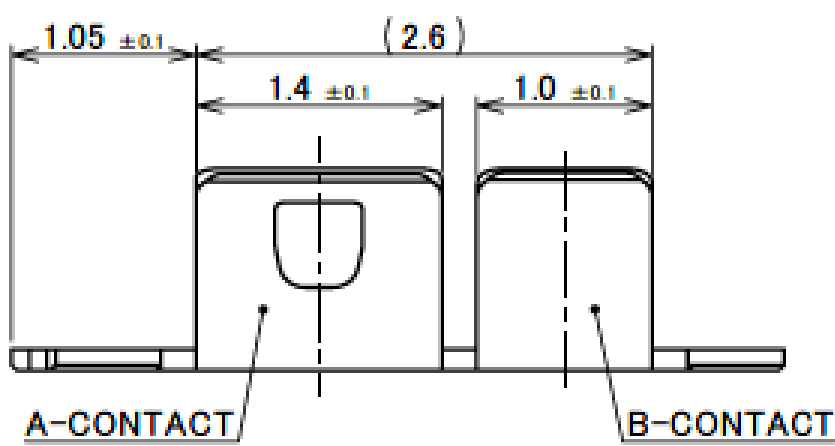
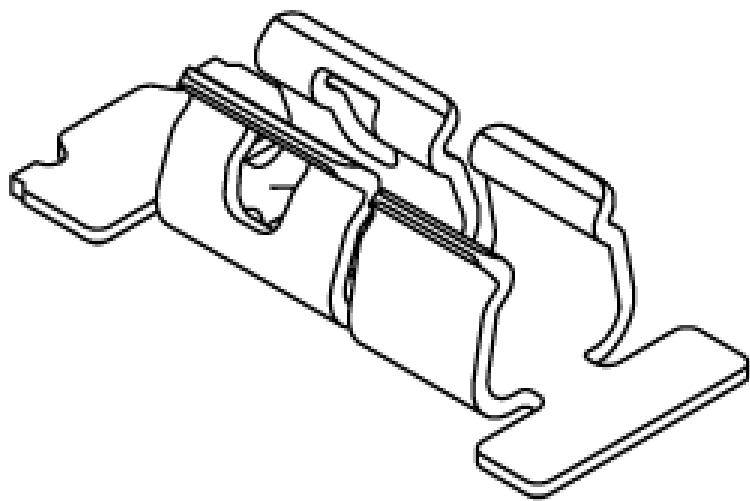
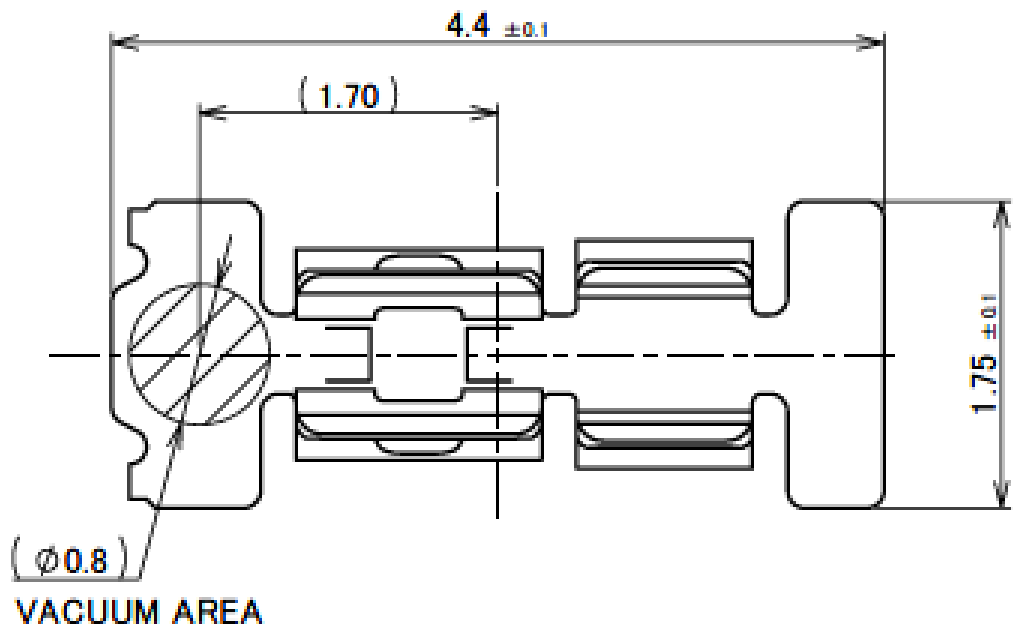
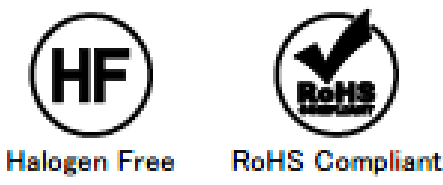
MP-A02

| ITEMS | SPECIFICATION |
|---------------------------------------|--|
| APPLICABLE CONNECTOR PART No. | •CABLE CLAMP (3mm) FOR Φ 1.13 COAXIAL CABLE (P/N: 2912-0302) •CABLE CLAMP (6mm) FOR Φ 1.13 COAXIAL CABLE (P/N: 2912-0602) •CABLE JACKET (OUTSIDE DIAMETERΦ 1.13 +0.08/-0.05) OF Φ 1.13 COAXIAL CABLE (*1) *1・・・RF-MF50161 (NISSEI ELECTRIC CO., LTD.) |
| OPERATING TEMPERATURE | 233～358K(－40℃～+85℃) |
| OPERATING HUMIDITY | 85% MAX.(NON-CONDENSING) |
| CONTACT RESISTANCE | INITIAL : 70mohm MAX. / AFTER TEST : 70mohm MAX. |
| DURABILITY | 5 CYCLES |
| MATING FORCE (INITIAL / AFTER TEST) | INITIAL : 25N MAX. / AFTER TEST : 25N MAX. |
| UNMATING FORCE (INITIAL / AFTER TEST) | INITIAL : 2N MIN. / AFTER TEST : 1N MIN. |
| PRODUCT SPECIFICATION | PRS-2082 |
| TEST REPORT | TR-15034 |
| PACKING STANDARD | PST-15054 |
| INSTRUCTION MANUAL | HIM-15008 |
| APPEARANCE CRITERIA No. | QLS-A*** |

Rev.5

MP-A01

| | |
|-----------------|-----------|
| Recommended P/N | 3096-0001 |
| PART No. | |
| 3096-0001 | |



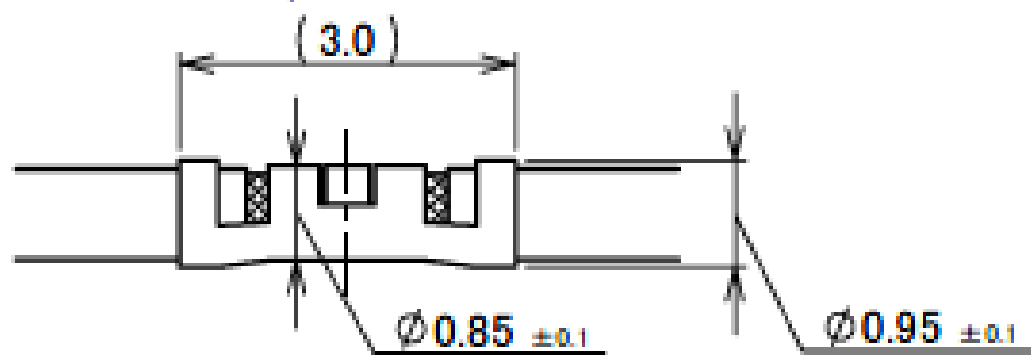
NOTE.
1. RECOMMENDED VACUUM NOZZLE SIZE: Φ0.5

| | | | |
|-----|-------------|-----------------|--|
| 1 | MP-A01 | PHOSPHOR BRONZE | CONTACT PART Sn 1.50 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING PART Sn 1.00 μ m MIN. OVER Ni 0.50 μ m MIN. |
| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS |

Rev.6

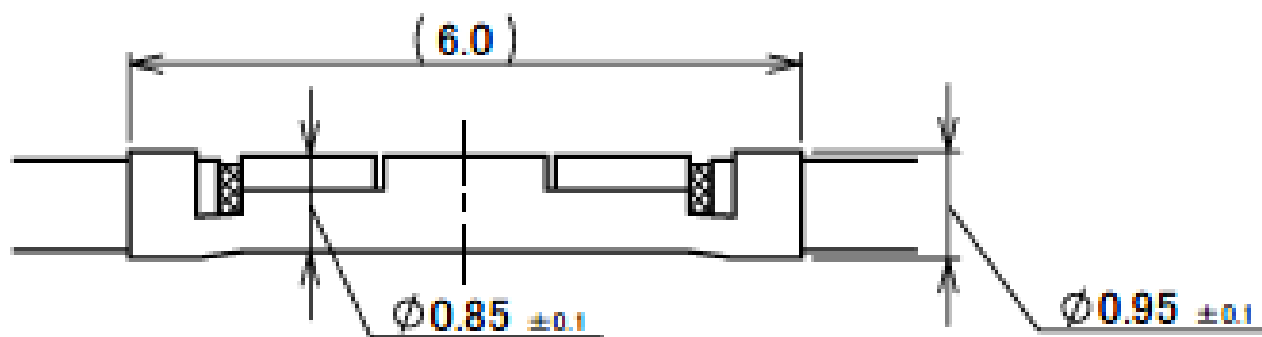
① Φ0.81 COAXIAL CABLE WITH 3mm CABLE CLAMP (PART NO. 2296-003)

*A-CONTACT: HOLD & CONTACT, B-CONTACT: DEFORMATION



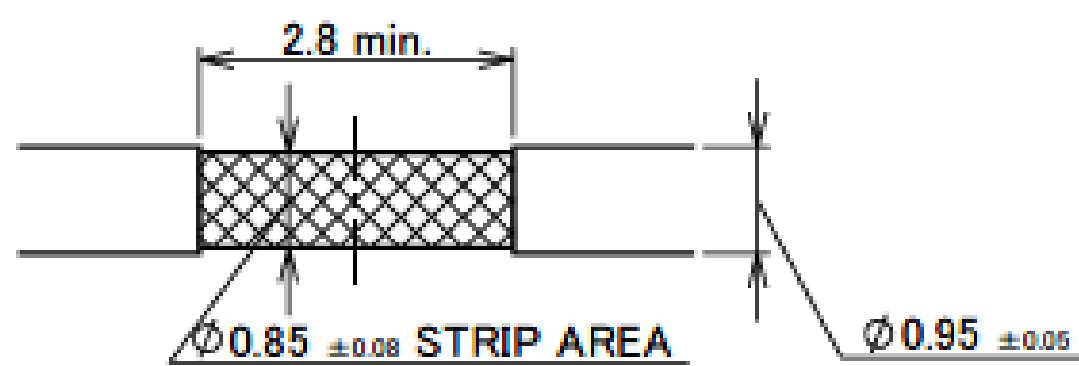
② Φ0.81 COAXIAL CABLE WITH 6mm CABLE CLAMP (PART NO. 2818-0001)

*A-CONTACT: HOLD & CONTACT, B-CONTACT: NOT CONTACT



③ STRIPPED Φ0.95 COAXIAL CABLE

*A-CONTACT: HOLD & CONTACT, B-CONTACT: NOT CONTACT



④ UNSTRIPPED Φ0.81 COAXIAL CABLE (OUTSIDE DIAMETER Φ0.81±0.05)

*A-CONTACT: HOLD, B-CONTACT: NOT HOLD

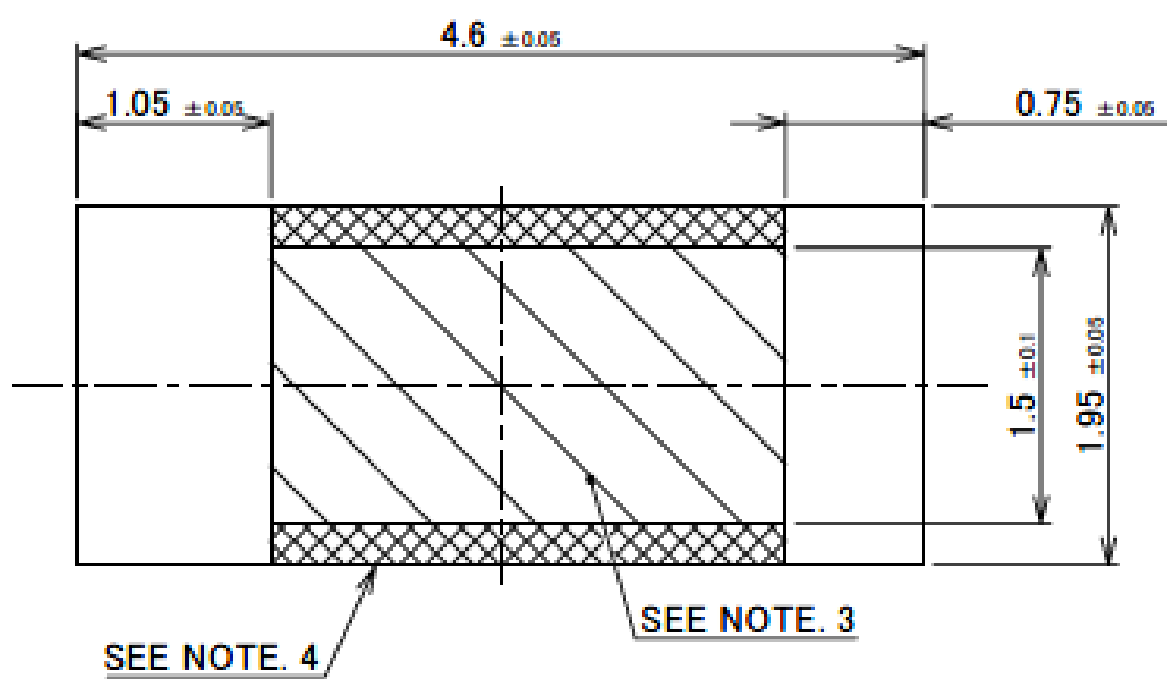
⑤ UNSTRIPPED Φ0.95 COAXIAL CABLE (OUTSIDE DIAMETER Φ0.95±0.05)

*B-CONTACT: HOLD, A-CONTACT: DEFORMATION

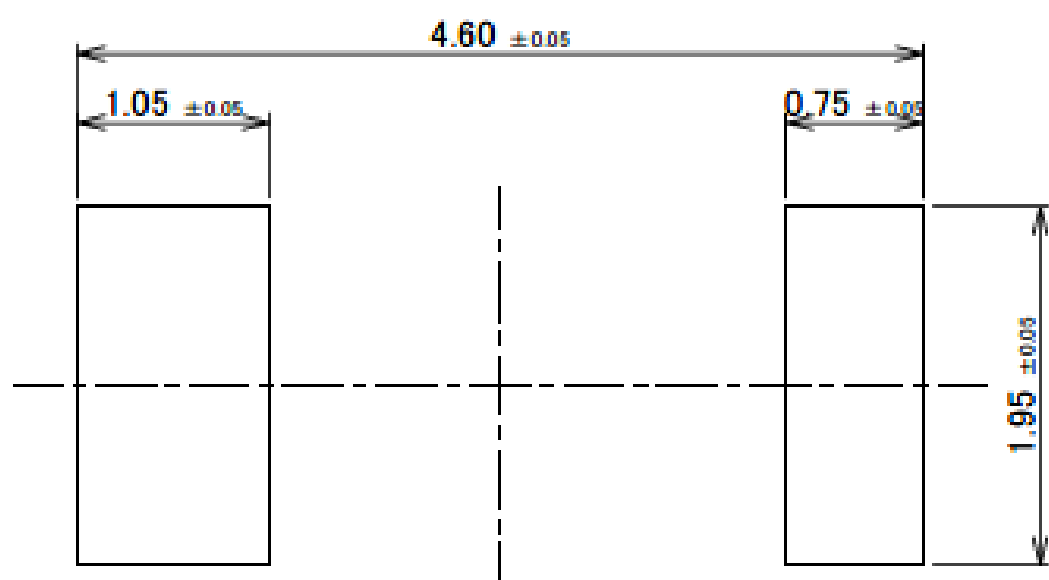
APPLICABLE CABLE

NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.6

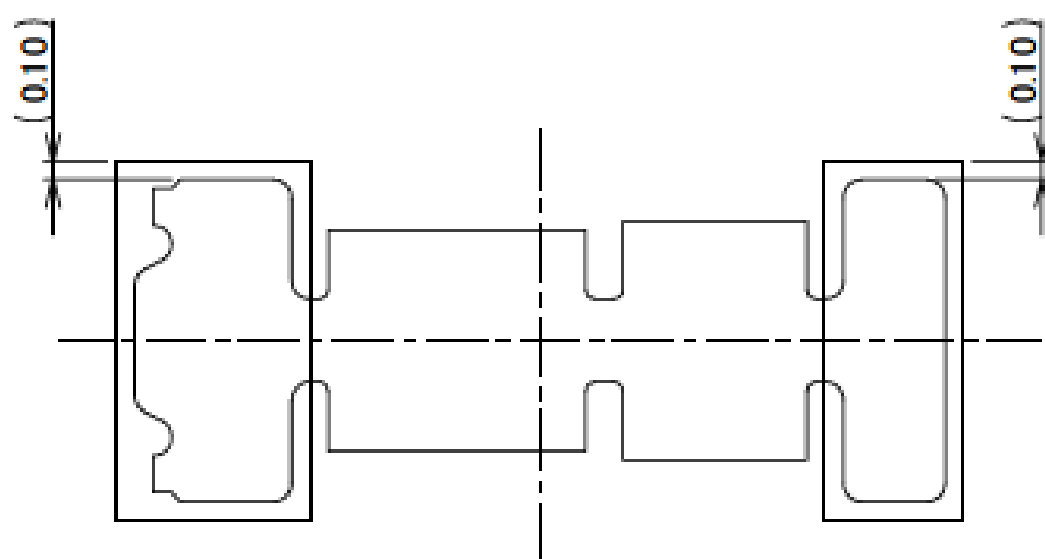


RECOMMENDED FOOTPRINT PATTERN.

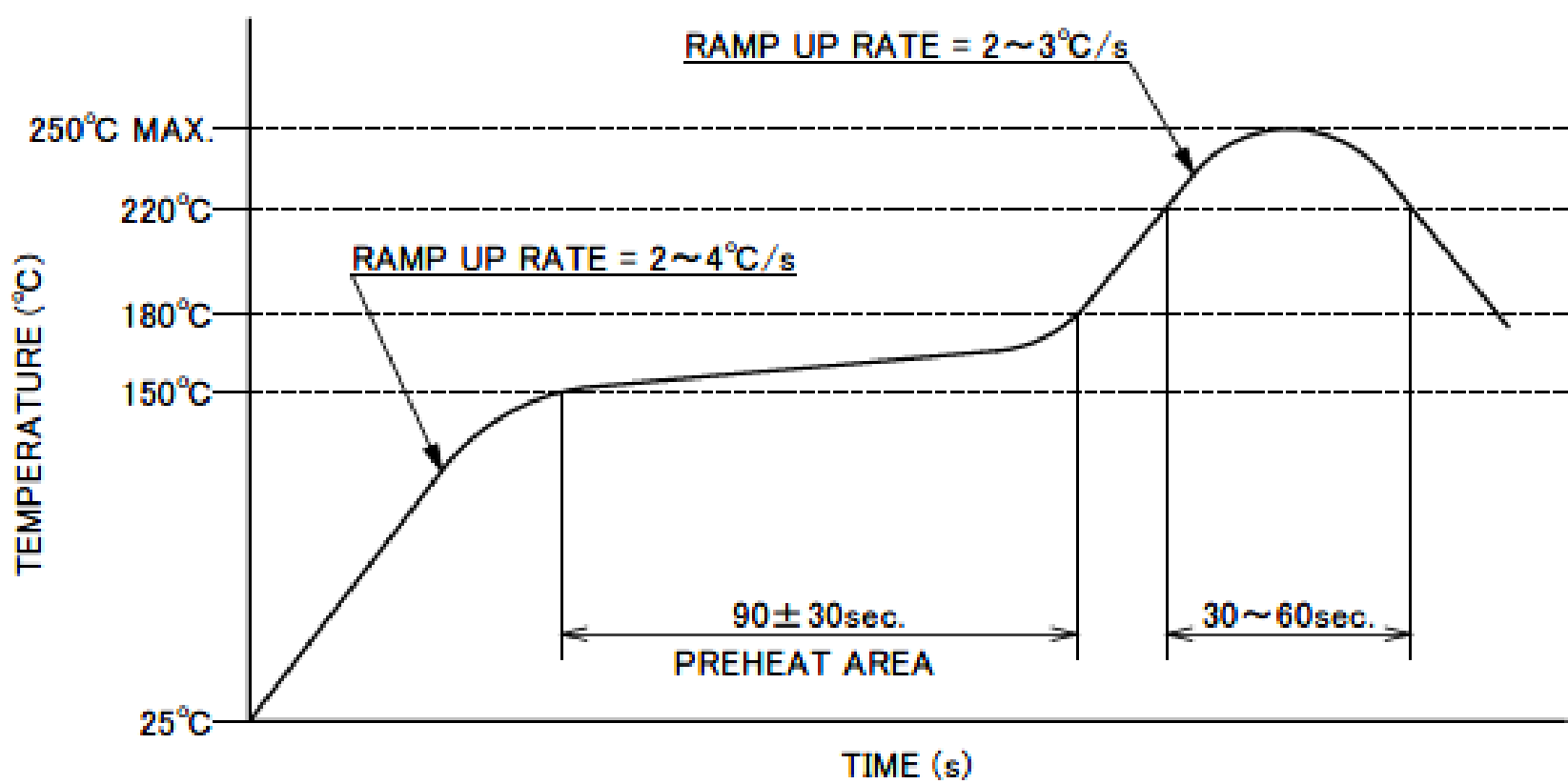


THICKNESS: 0.10mm

METAL MASK



CONNECTOR ON RECOMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES.
3. NO GROUND, SIGNAL, AND RESIST IN THIS AREA.
4. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

Rev.6

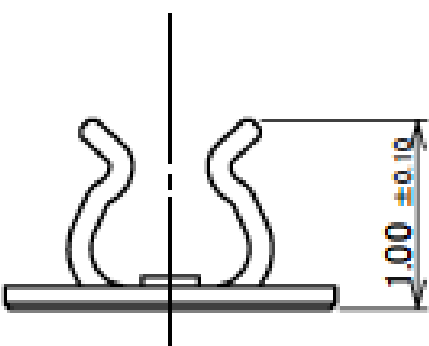
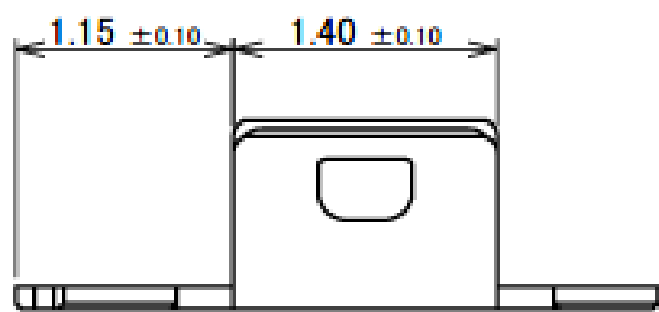
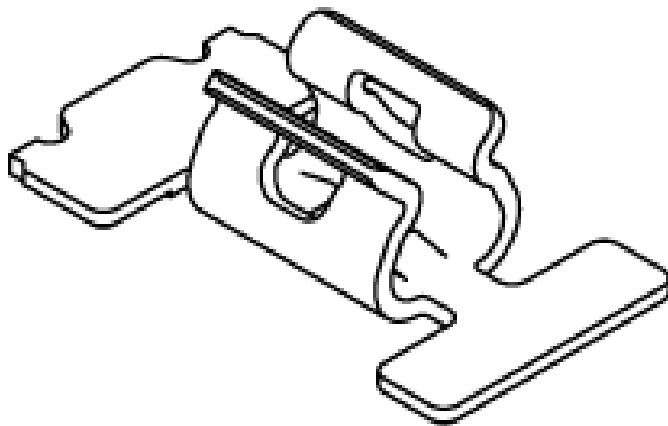
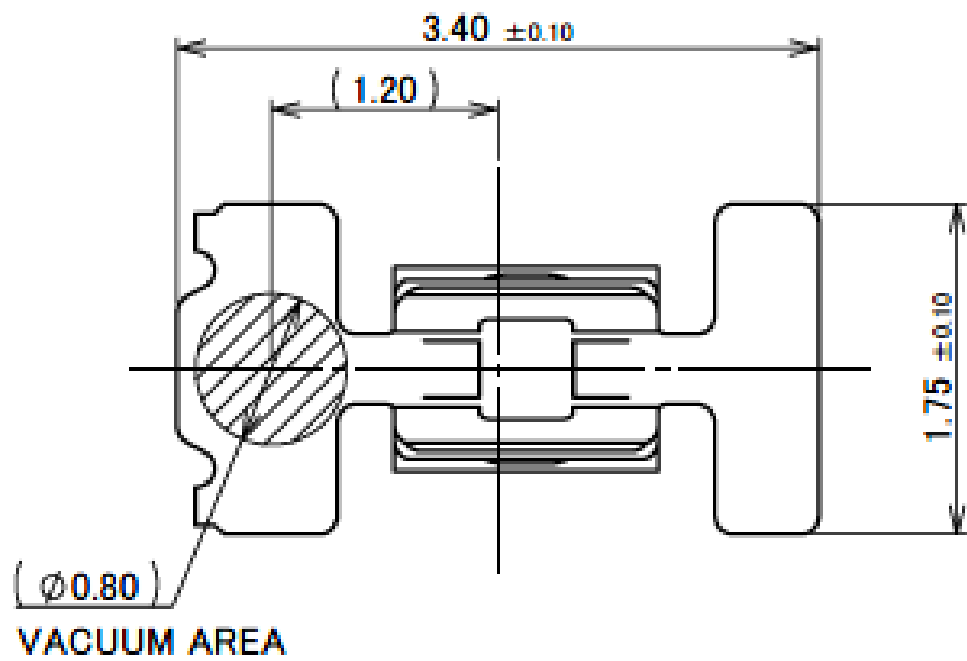
MP-A01

| ITEMS | SPECIFICATION |
|---------------------------------------|--|
| APPLICABLE CONNECTOR PART No. | •CABLE CLAMP (3mm) FOR Φ0.81 COAXIAL CABLE (P/N: 2296-003) •CABLE CLAMP (6mm) FOR Φ0.81 COAXIAL CABLE (P/N: 2818-0001) •CABLE STRIP (OUTER CONDUCTOR Φ0.85±0.08) OF Φ0.95 COAXIAL CABLE (*1) •CABLE JACKET (OUTSIDE DIAMETERΦ0.81±0.05) OF Φ0.81 COAXIAL CABLE (*2) •CABLE JACKET (OUTSIDE DIAMETERΦ0.95±0.05) OF Φ0.95 COAXIAL CABLE (*1) *1***RF-MF5023 (NISSEI ELECTRIC CO., LTD.) *2***BD-17661 (BANDO DENSEN CO., LTD.) |
| OPERATING TEMPERATURE | 233~358 K (-40°C~+85°C) |
| OPERATING HUMIDITY | 85% MAX. (NON-CONDENSING) |
| CONTACT RESISTANCE | INITIAL: 70 mohm MAX. / AFTER TEST: 70 mohm MAX. |
| DURABILITY | 5 CYCLES |
| MATING FORCE (INITIAL / AFTER TEST) | INITIAL: 25 N MAX. / AFTER TEST: 25 N MAX. |
| UNMATING FORCE (INITIAL / AFTER TEST) | INITIAL: 3 N MIN. / AFTER TEST: 1.5 N MIN. |
| PRODUCT SPECIFICATION | PRS-2048 |
| TEST REPORT | TR-14139 |
| PACKING STANDARD | PST-14022 |
| INSTRUCTION MANUAL | HIM-14011 |
| APPEARANCE CRITERIA No. | QLS-A*** |

Rev.6

MP-A03

| | |
|-----------------|-----------|
| Recommended P/N | 3186-0001 |
| PART NO. | |
| 3186-0001 | |

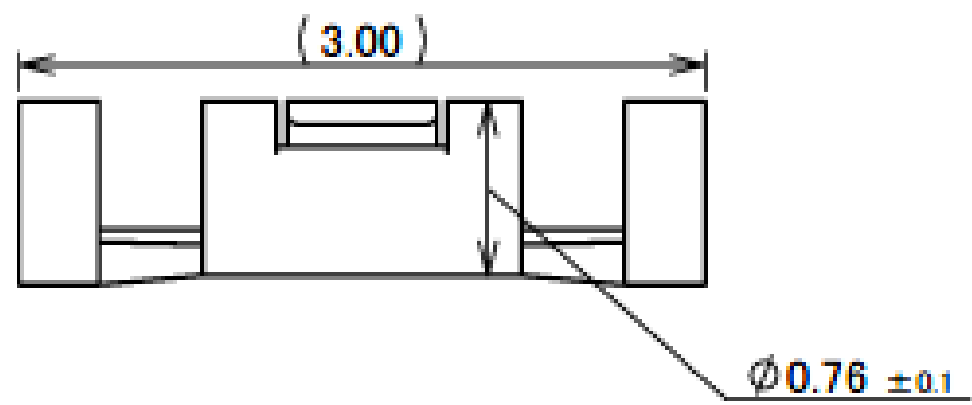


| | | | |
|-----|-------------|-----------------|---|
| 1 | MP-A03 | PHOSPHOR BRONZE | CONTACT PART Sn 2.00 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING PART Sn 1.00 μm MIN.OVER Ni 0.50 μm MIN. |
| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS |

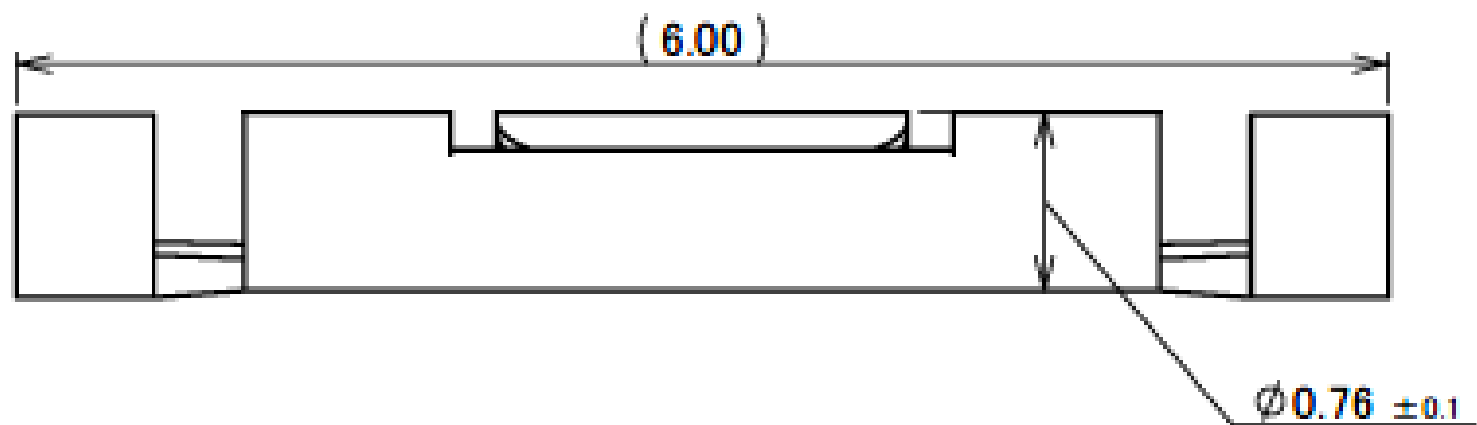
Rev.4

MP-A03

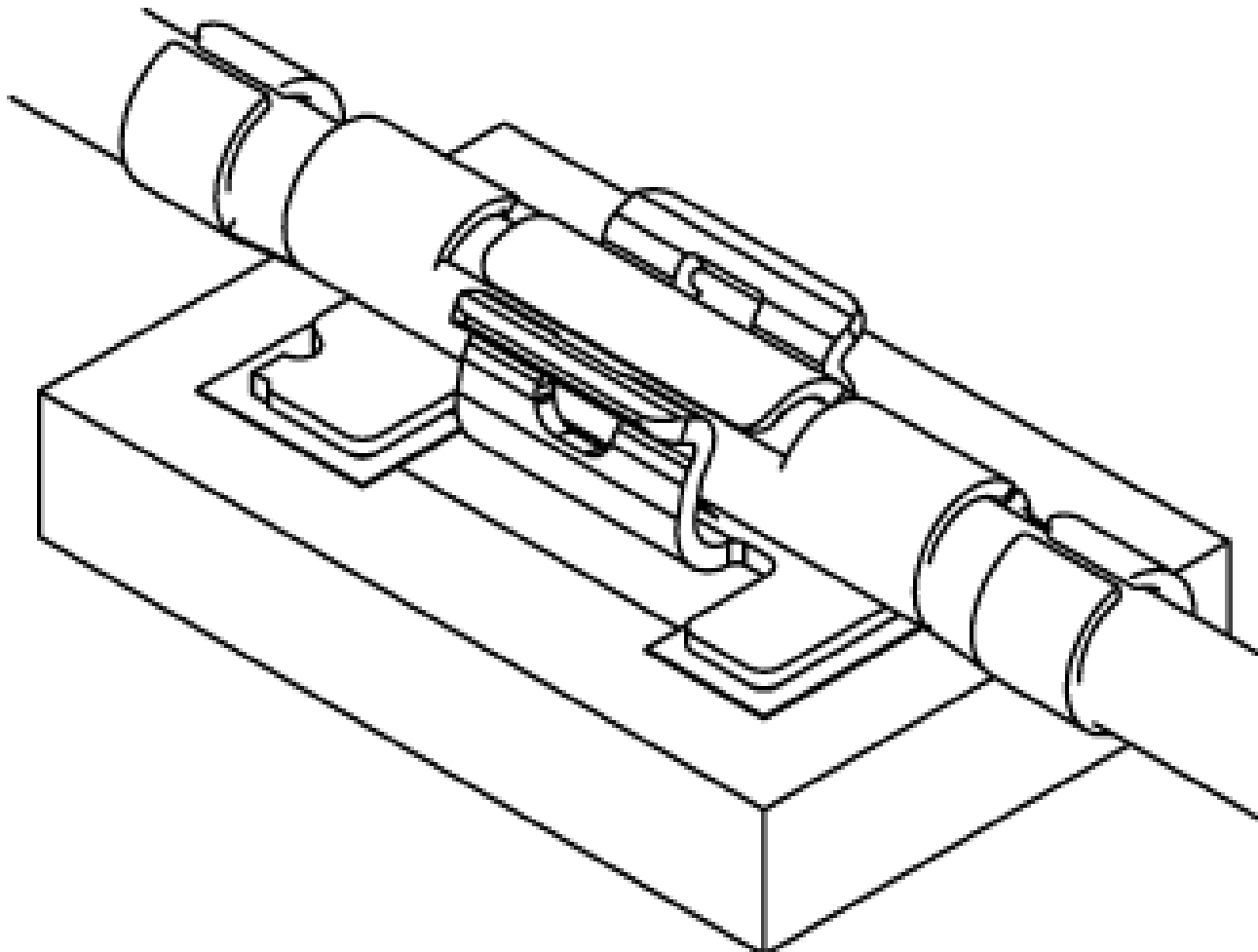
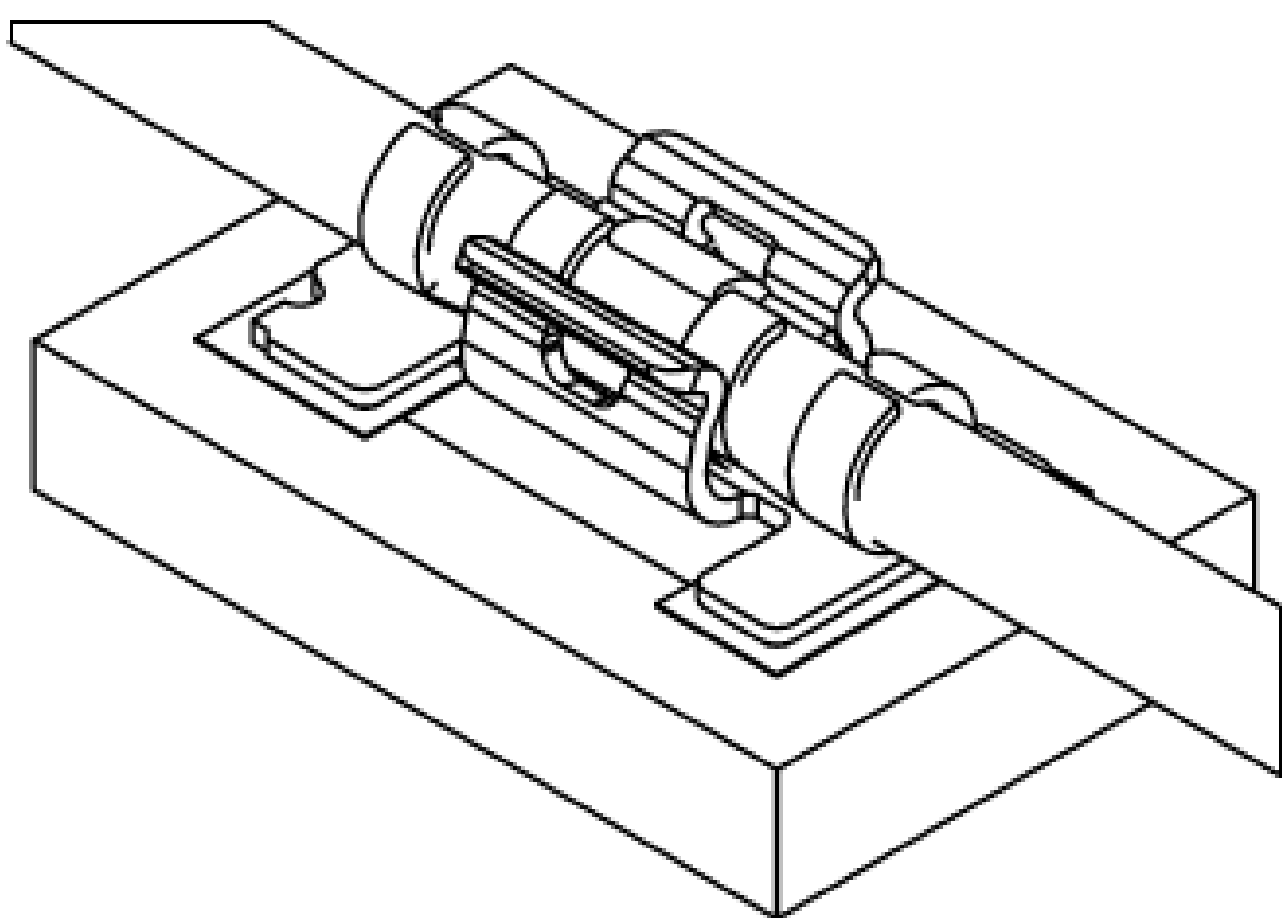
① Φ0.64 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2918-0302)



② Φ0.64 COAXIAL CABLE WITH 6mm CABLE CLAMP (P/N : 2918-0602)



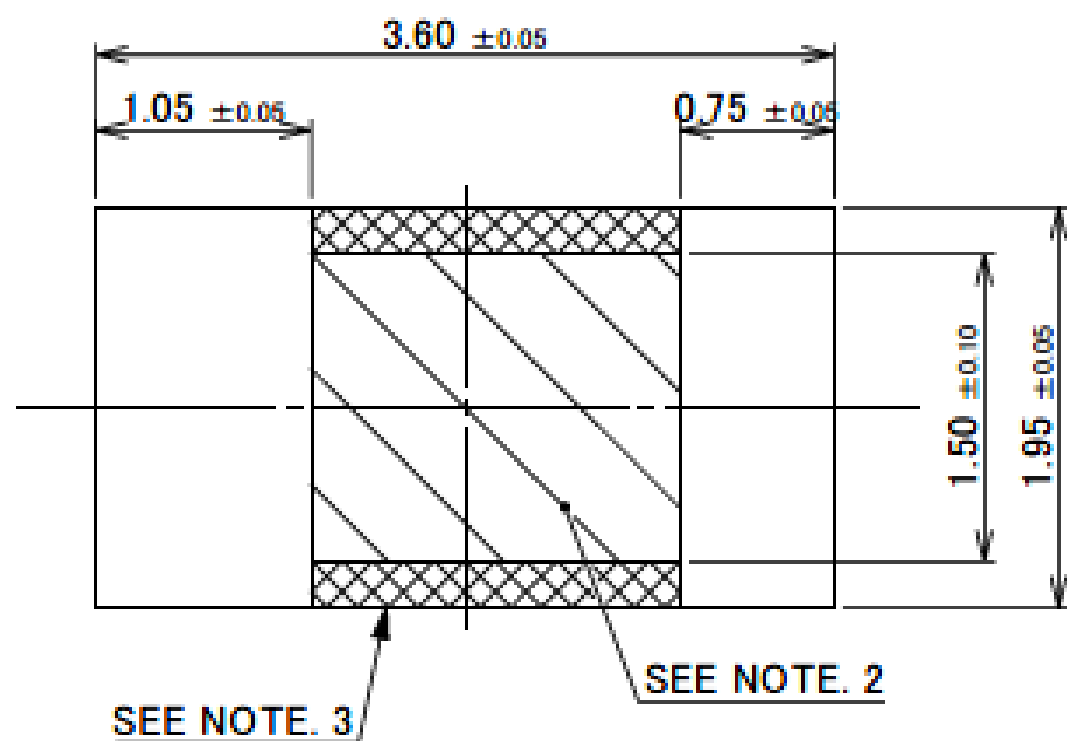
APPLICABLE CABLE



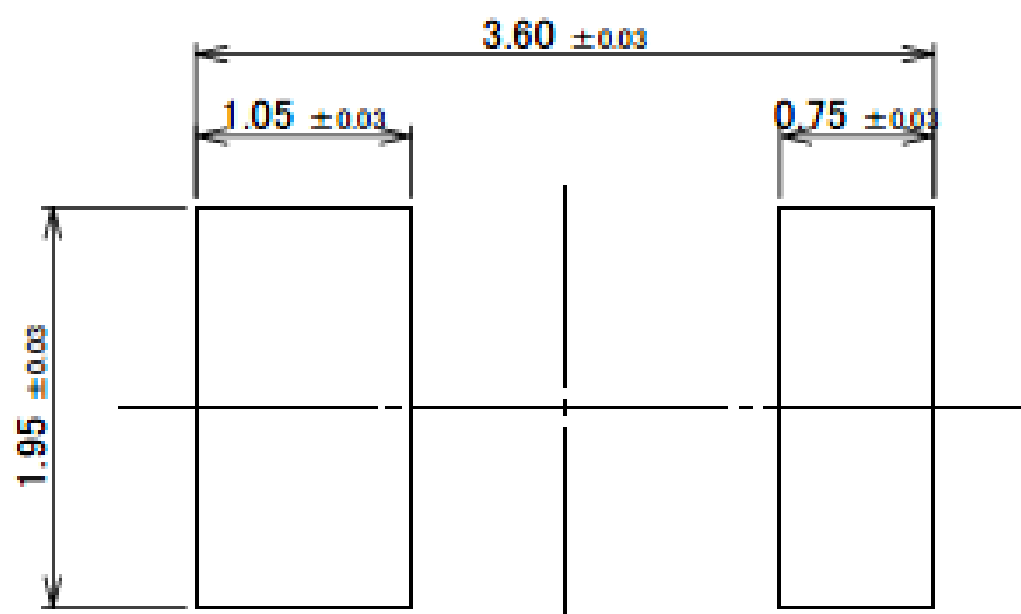
MATING CONDITION

NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.4

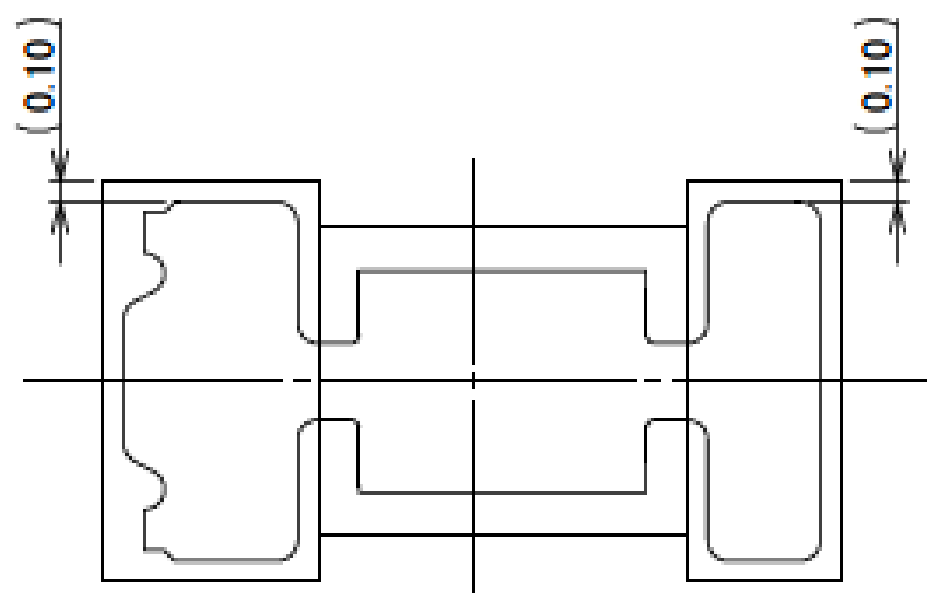


RECOMMENDED FOOTPRINT PATTERN

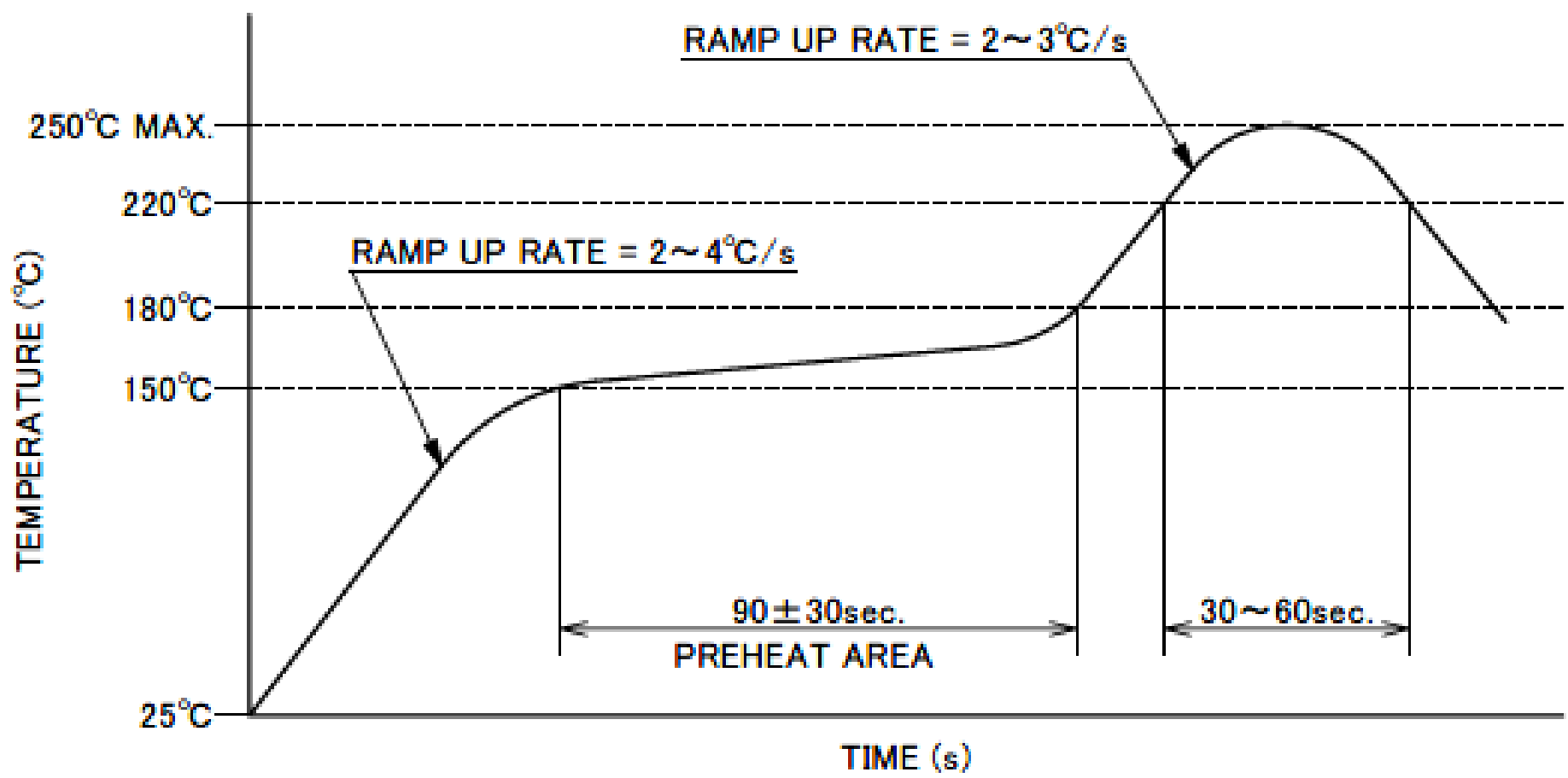


THICKNESS: 0.10mm

METAL MASK



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES.
2. NO GROUND, SIGNAL, AND RESIST IN THIS AREA.
3. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

Rev.4

MP-A03

| ITEMS | SPECIFICATION |
|---------------------------------------|--|
| APPLICABLE CONNECTOR PART No. | •CABLE CLAMP (3mm) FOR Φ0.64 COAXIAL CABLE (P/N: 2918-0302) •CABLE CLAMP (6mm) FOR Φ0.64 COAXIAL CABLE (P/N: 2918-0602) |
| OPERATING TEMPERATURE | 233~358K(-40℃~+85℃) |
| OPERATING HUMIDITY | 85% MAX.(NON-CONDENSING) |
| CONTACT RESISTANCE | INITIAL : 70mohm MAX. / AFTER TEST : 70mohm MAX. |
| DURABILITY | 5 CYCLES |
| MATING FORCE (INITIAL / AFTER TEST) | INITIAL : 25N MAX. / AFTER TEST : 25N MAX. |
| UNMATING FORCE (INITIAL / AFTER TEST) | INITIAL : 3N MIN. / AFTER TEST : 2N MIN. |
| PRODUCT SPECIFICATION | PRS-2130 |
| TEST REPORT | TR-15085 |
| PACKING STANDARD | PST-15081 |
| INSTRUCTION MANUAL | HIM-15029 |
| APPEARANCE CRITERIA No. | QLS-A*** |

Rev.4

Board to
Board



High-Density



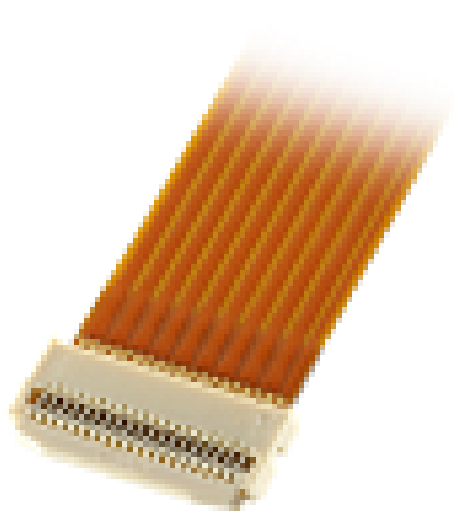
Autolocking
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical
Module



High-Speed



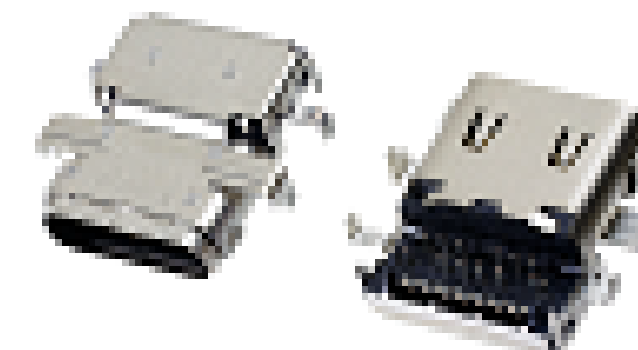
Power



High-Power



I/O
(Input/Output)



Quick charge



Effector



Custom
Connectors
Available

Inquiry



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