

MP-A

그라운드 및 케이블 배선용 클립 클램프



Product Specifications:

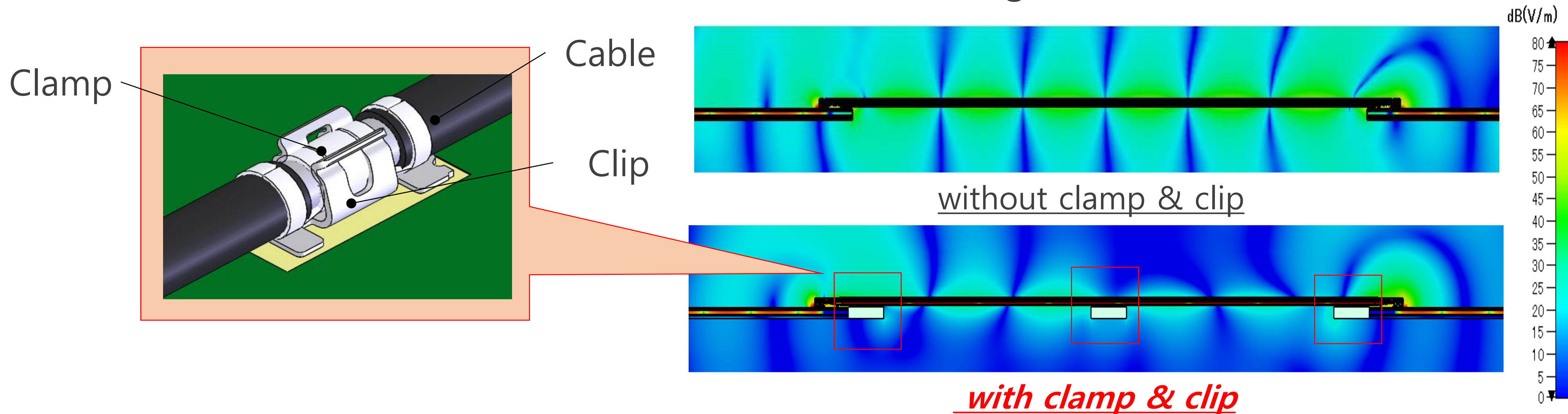
Operating Temperature	233~358 K (-40 °C ~ + 85 °C)
Operating Humidity	85% Max.(Non-Codensing)
Contact Resistance	INITIAL :70 mΩ Max / AFTER TEST:70 mΩ Max
Durability	5 CYCLES

Applicable Cable Size:

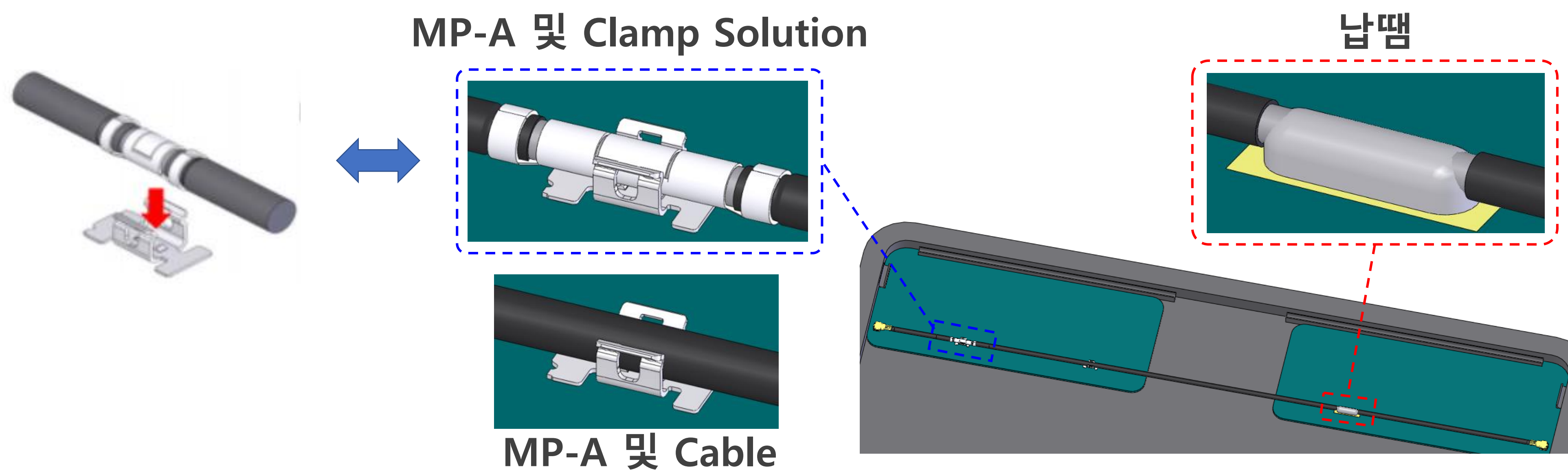
O.D. 1.37 mm / AWG 30
O.D. 1.13 mm / AWG 32
O.D. 0.81 mm / AWG 36
O.D. 0.63 mm / AWG 36

▶ EMI 대책에 최적

-Electric field strength distribution (simulation)-



▶ 조립 및 재작업에 들어가는 공수를 절감



▶ 대응 케이블의 외경에 따라 3.0 mm 및 6.0 mm의 클램프에 사용 가능

		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

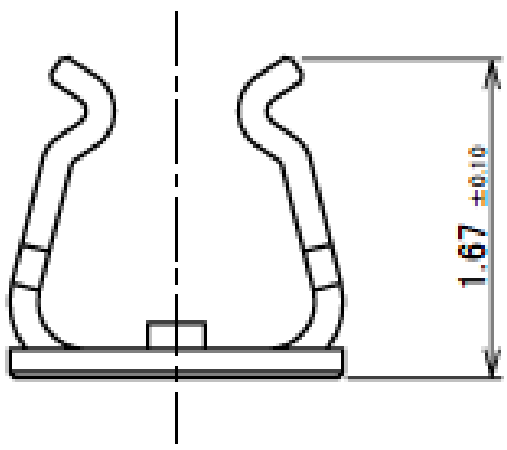
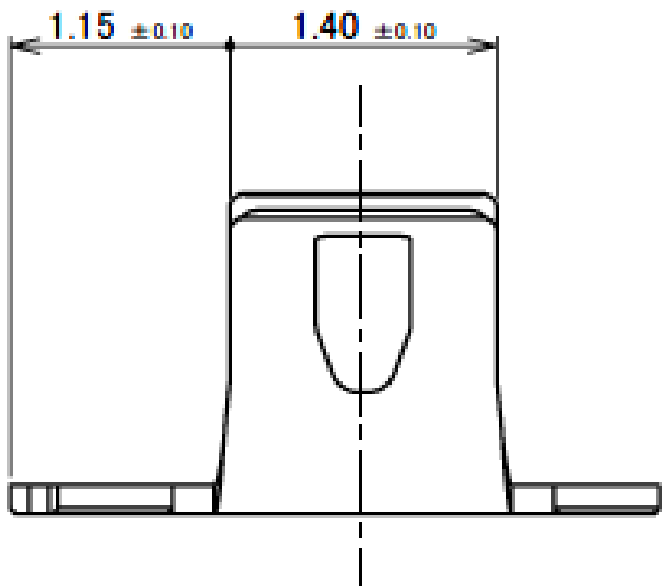
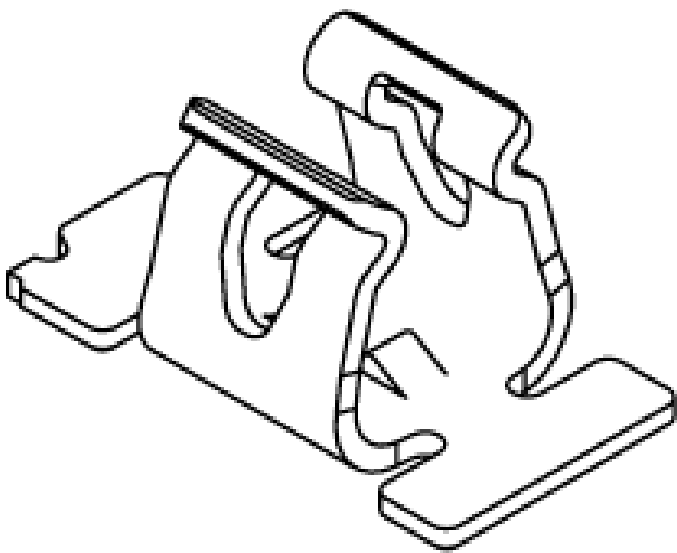
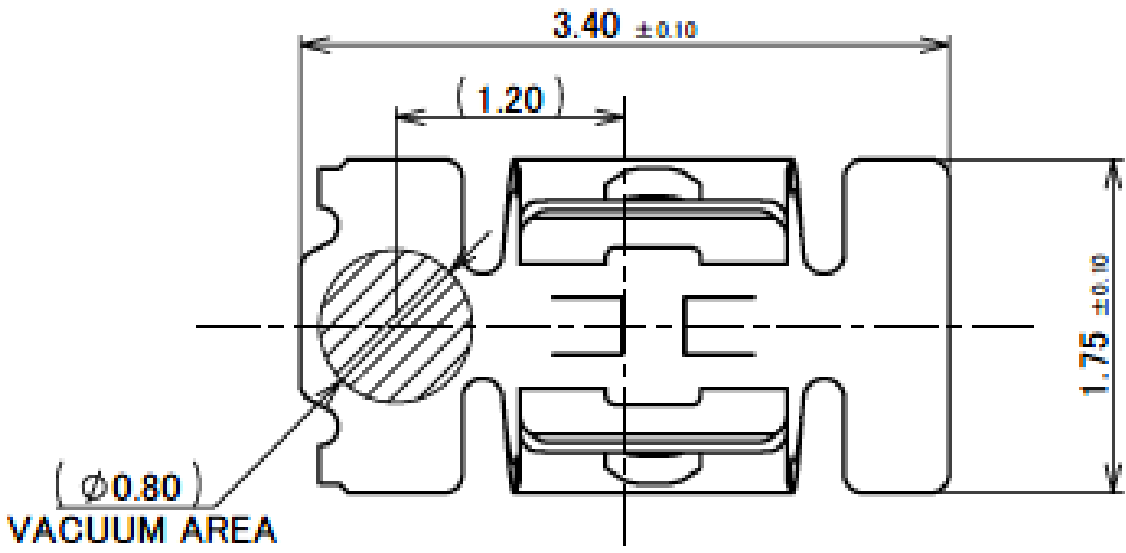
Recommended P/N	3224-0001
PART NO.	
3224-0001	



Halogen Free



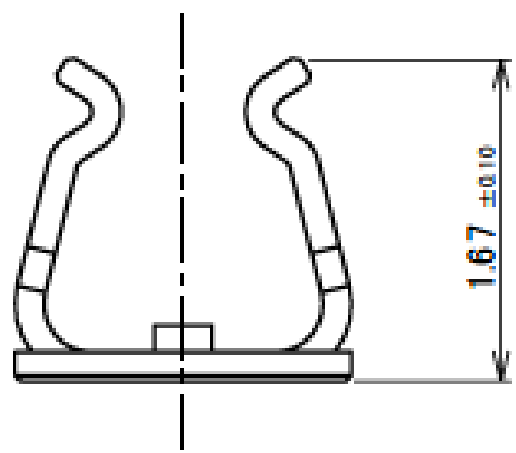
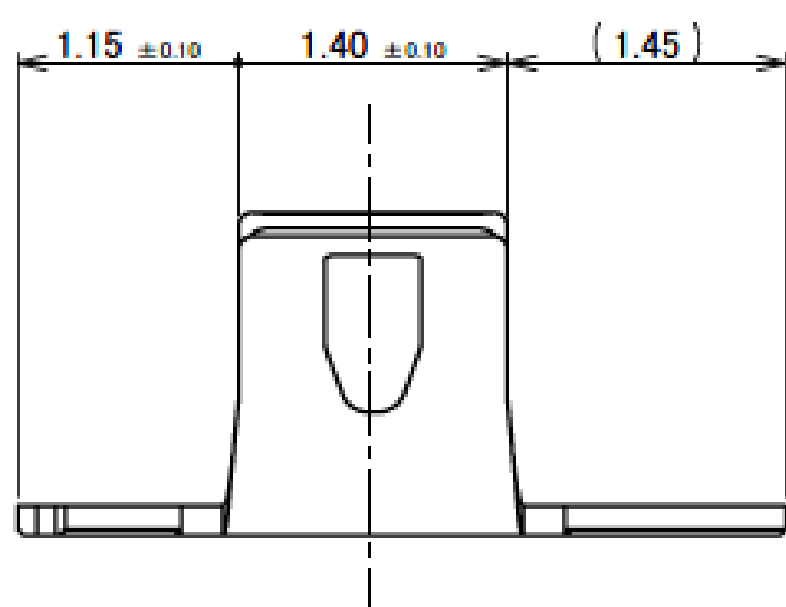
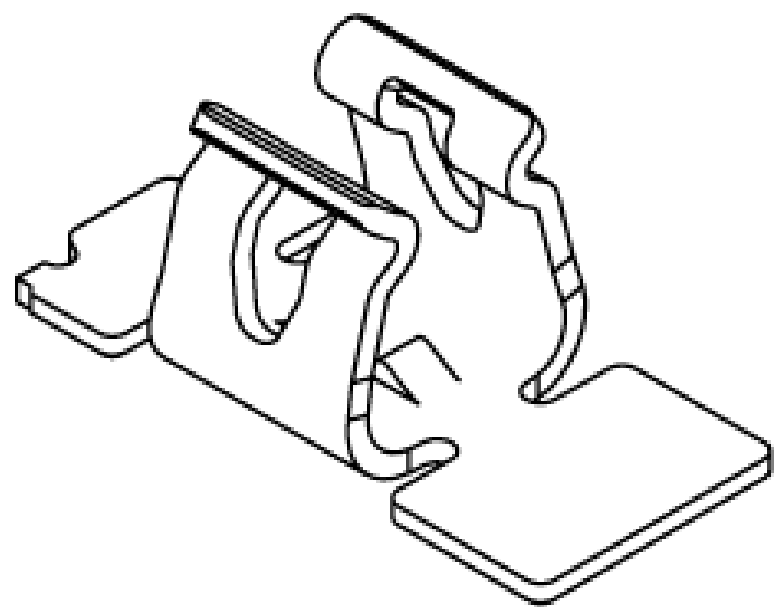
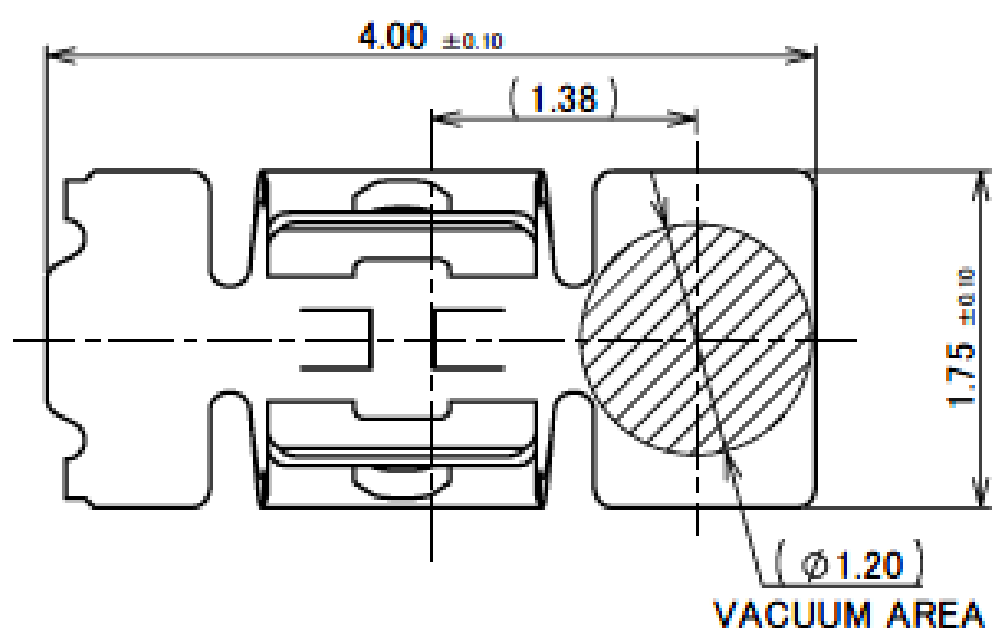
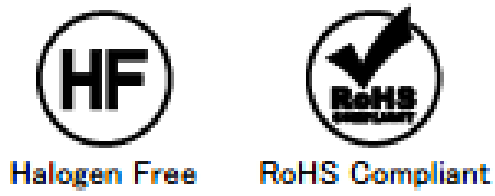
RoHS Compliant



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

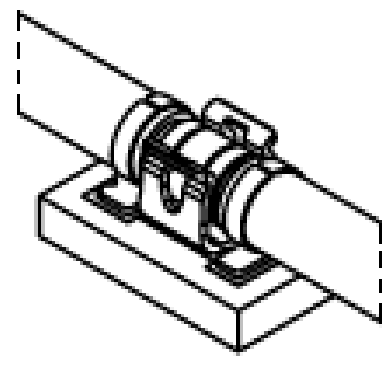
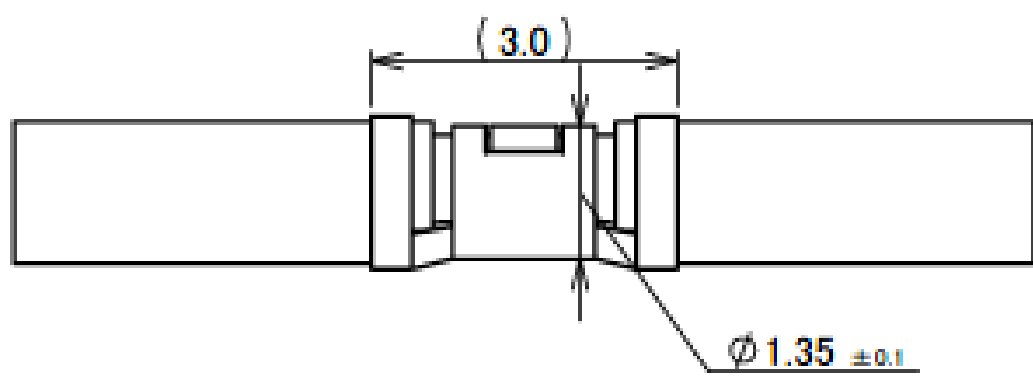
MP-A04

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

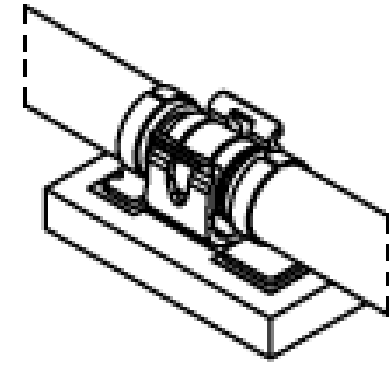


Rev.8

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

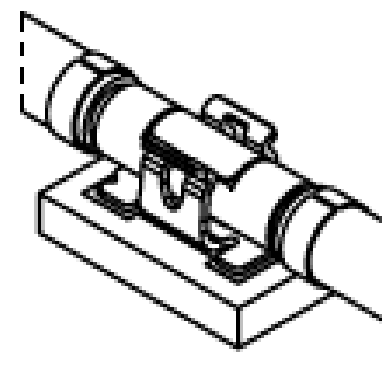
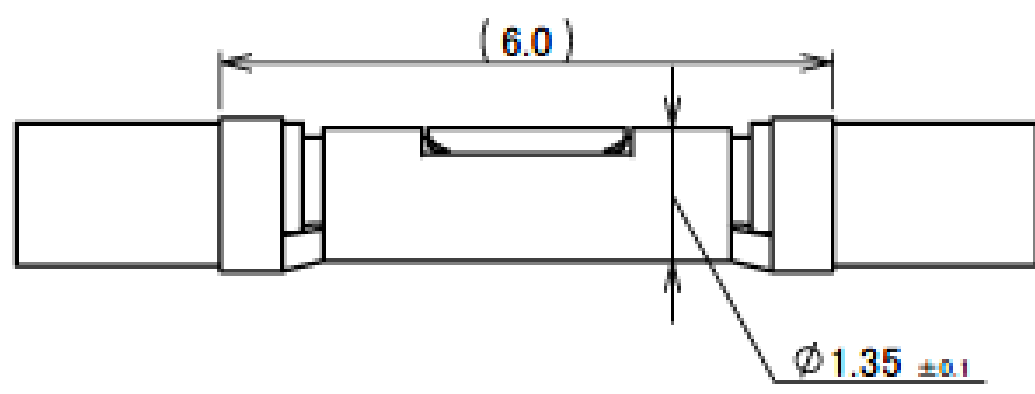


3224-0001

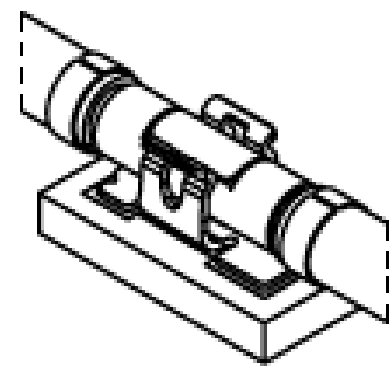


3224-0003

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

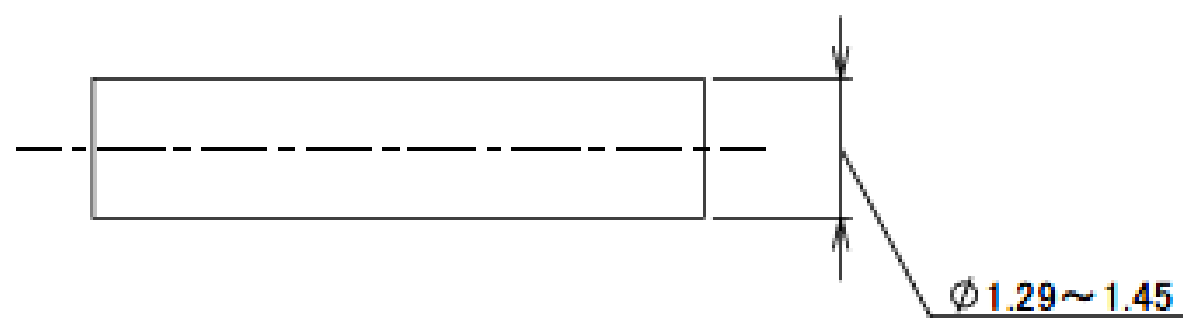


3224-0001

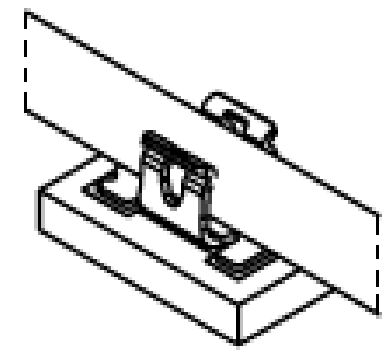


3224-0003

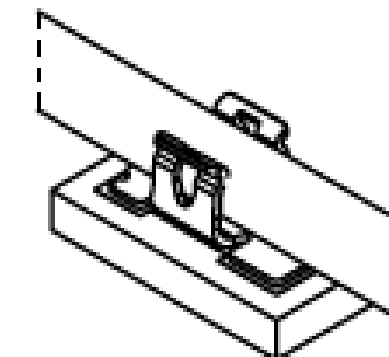
③ $\phi 1.37$ COAXIAL CABLE



APPLICABLE CABLE



3224-0001

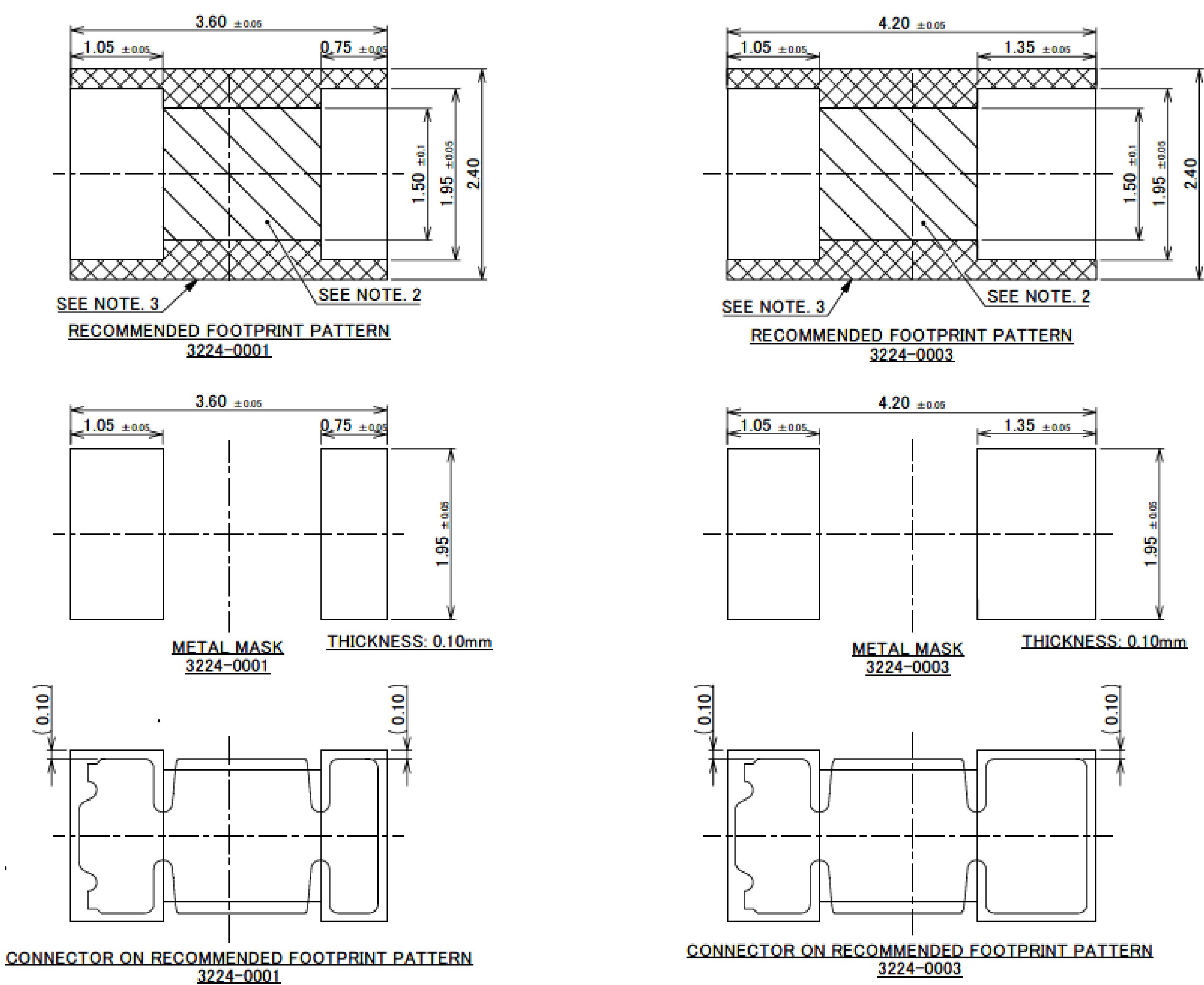


3224-0003

MATING CONDITION
(S = 6/1)

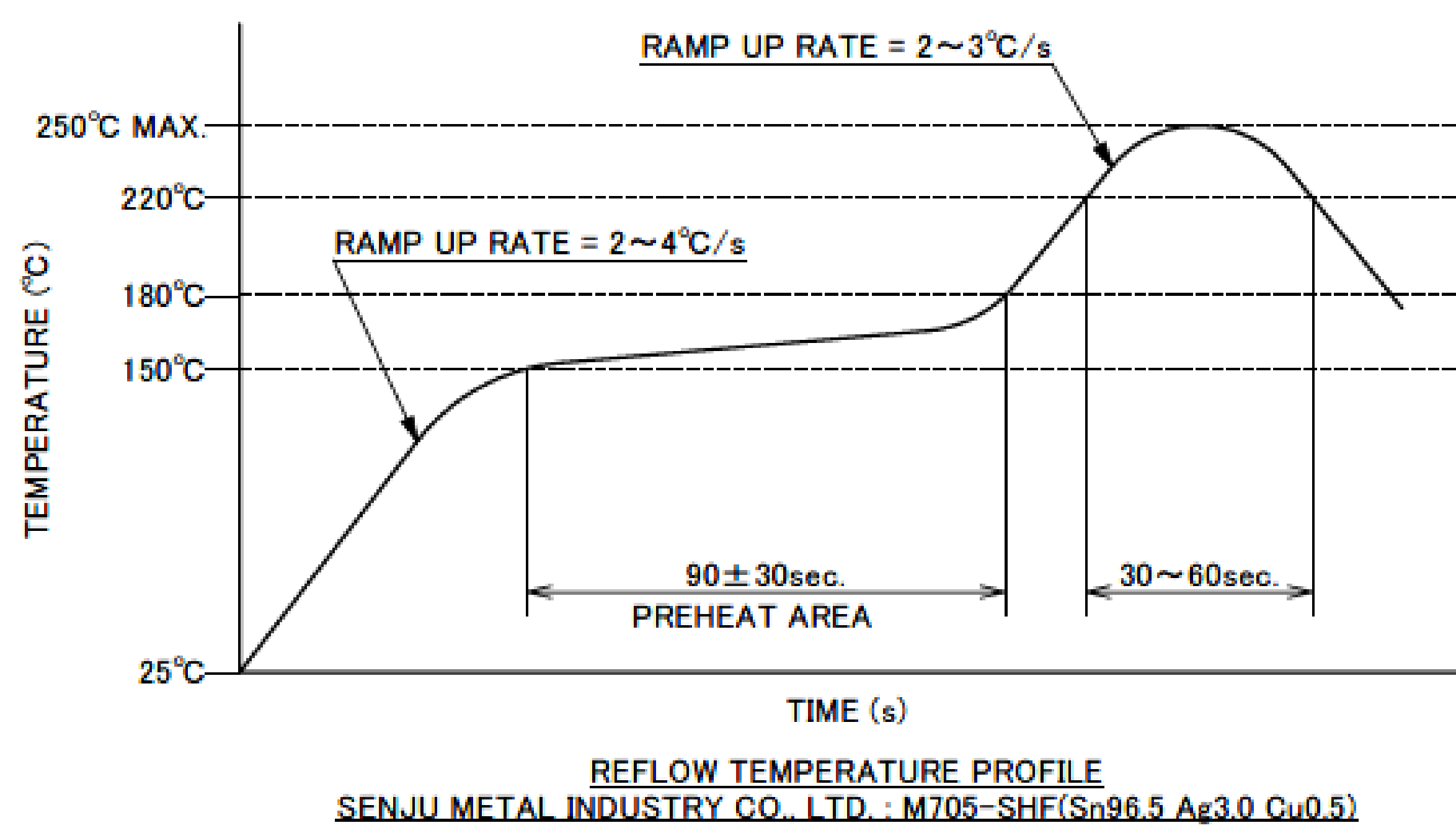
NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

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

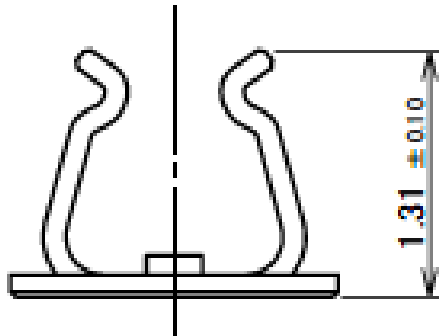
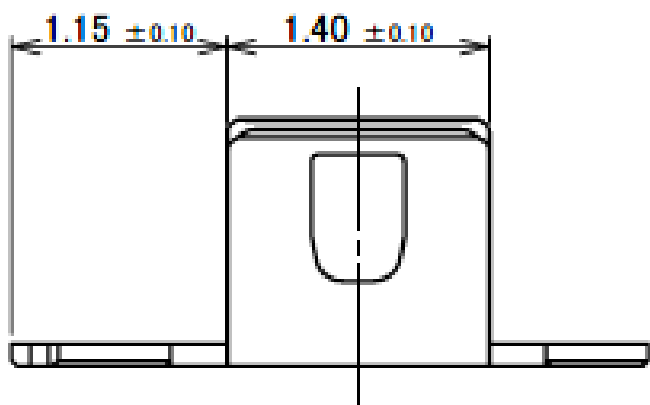
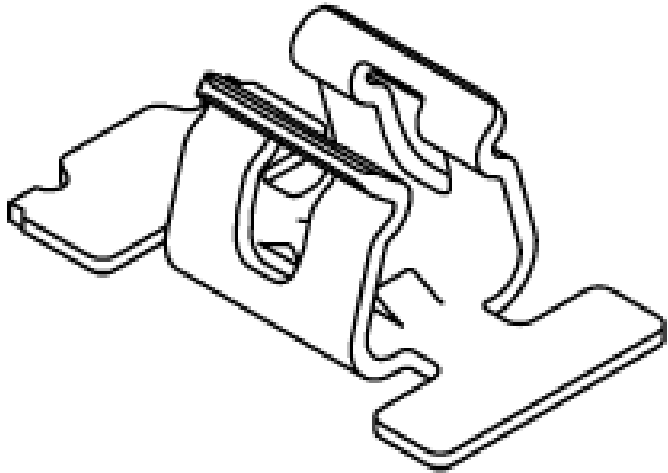
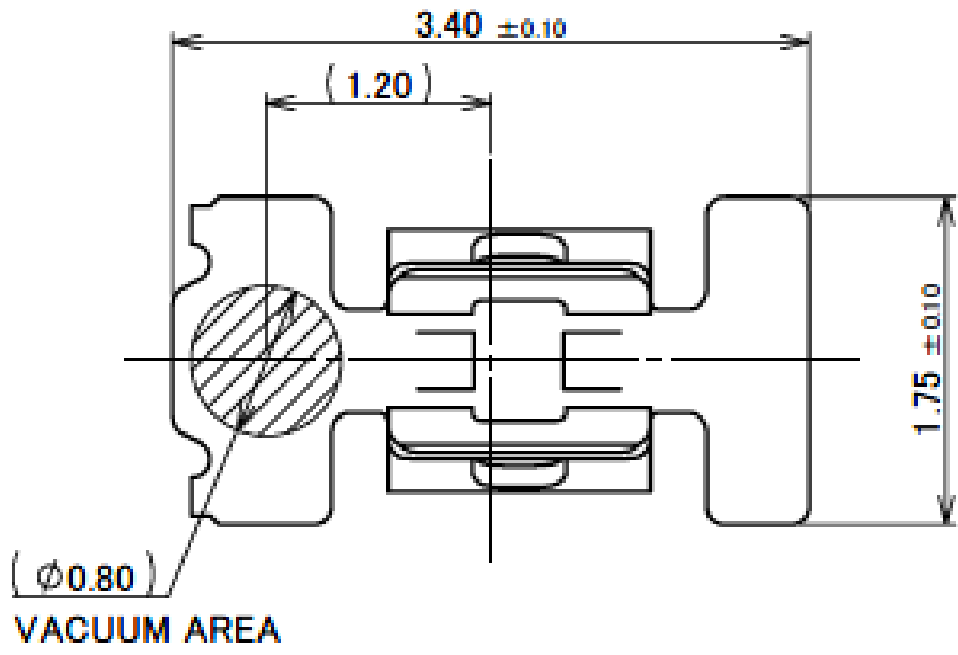
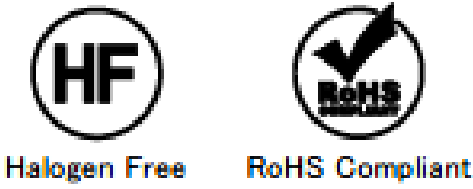
MP-A04

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	



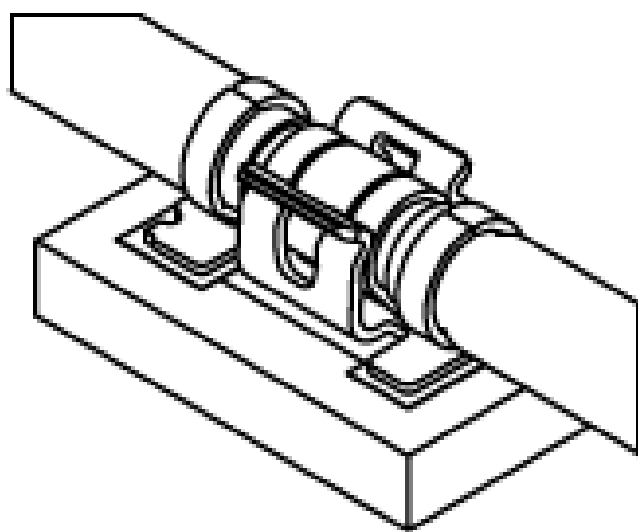
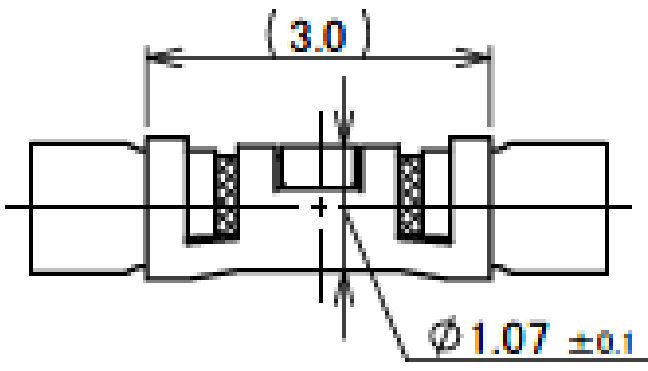
NOTE.
1. RECOMMENDED VACUUME NOZZLE SIZE : φ0.5

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

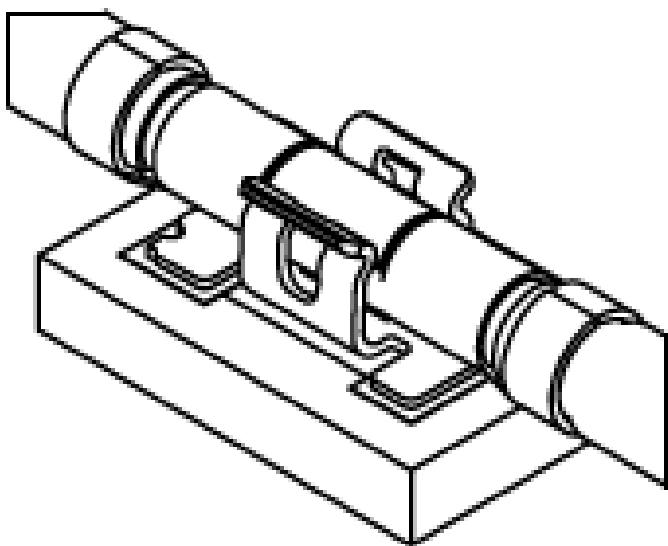
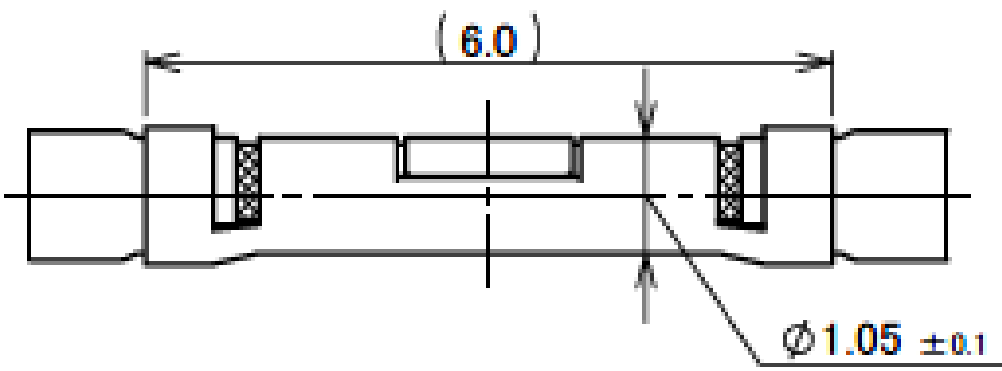
Rev.5

MP-A02

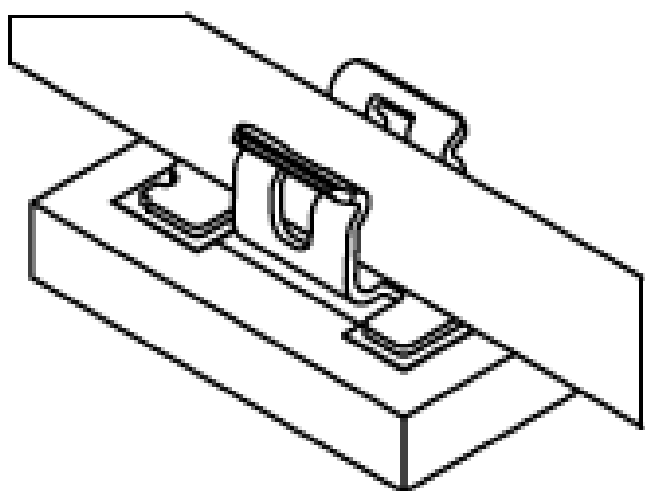
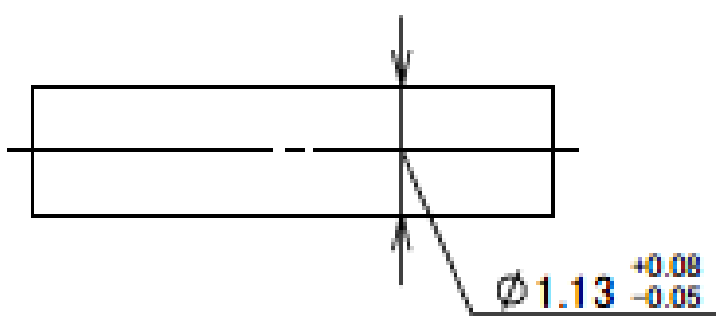
① Φ 1.13 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2912-0302)



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



③ Φ 1.13 COAXIAL CABLE

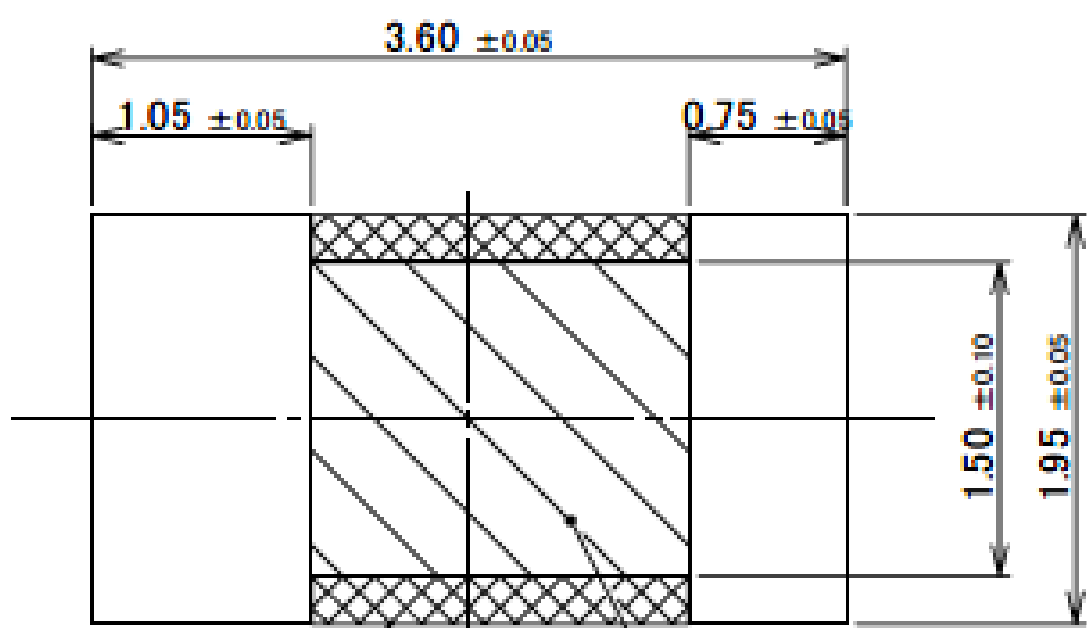


APPLICABLE CABLE

MATING CONDITION

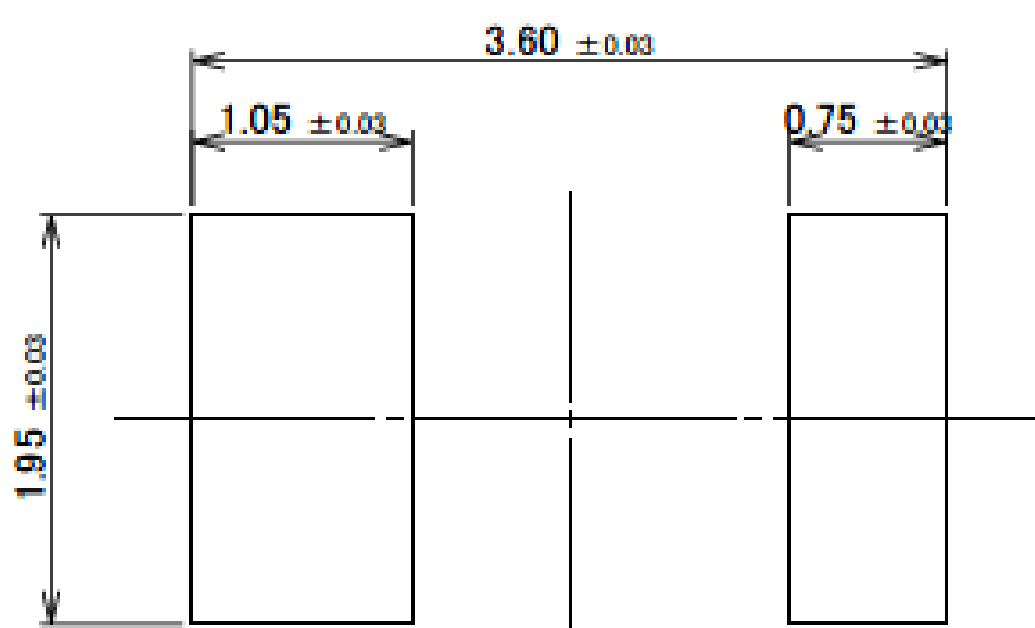
NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.5



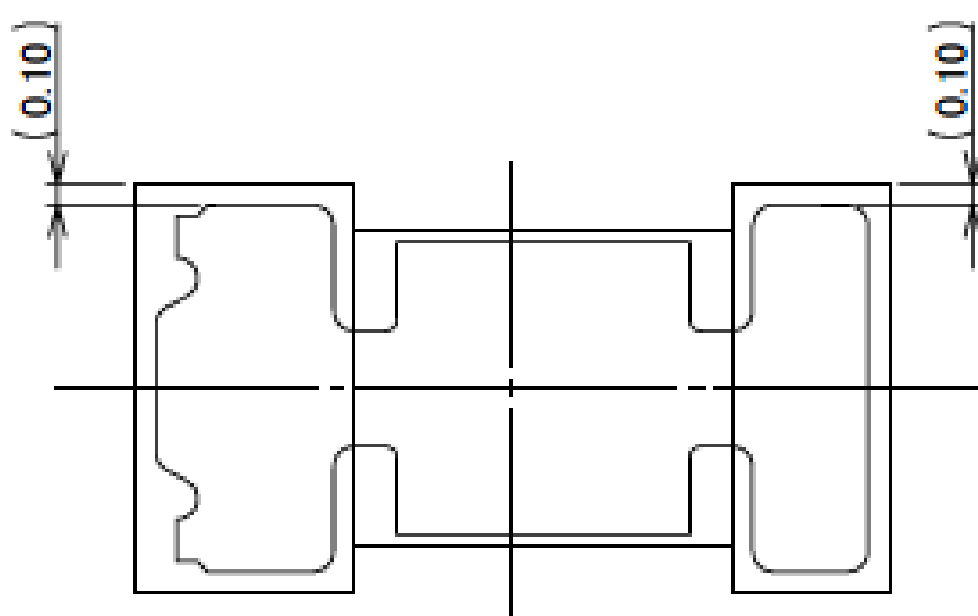
SEE NOTE. 4 SEE NOTE. 3

RECOMMENDED FOOTPRINT PATTERN

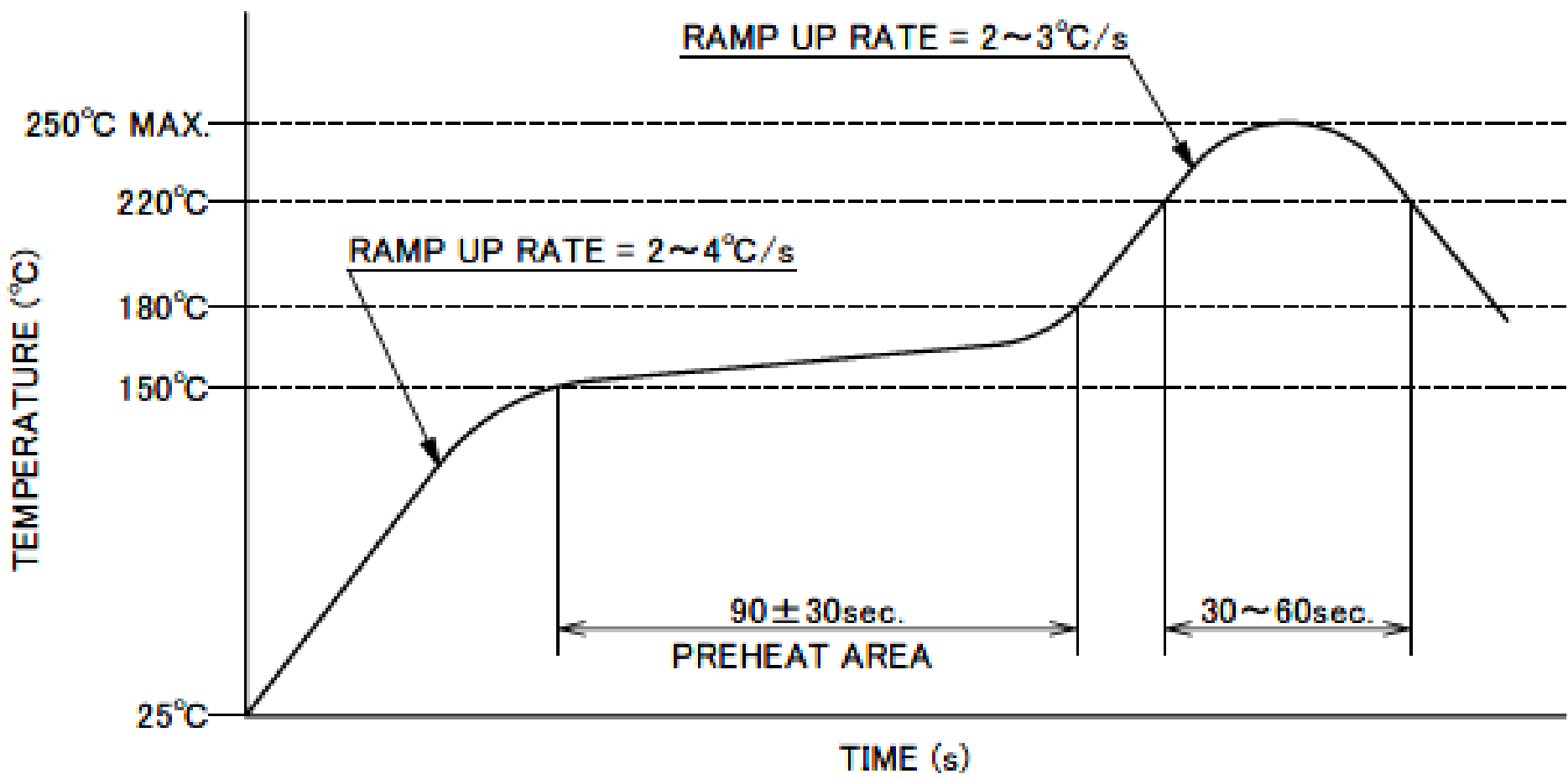


THICKNESS: 0.10mm

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

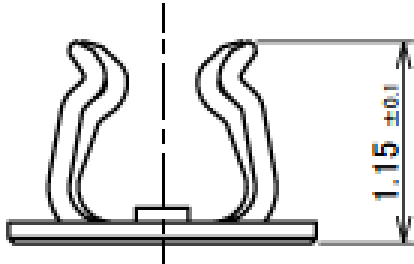
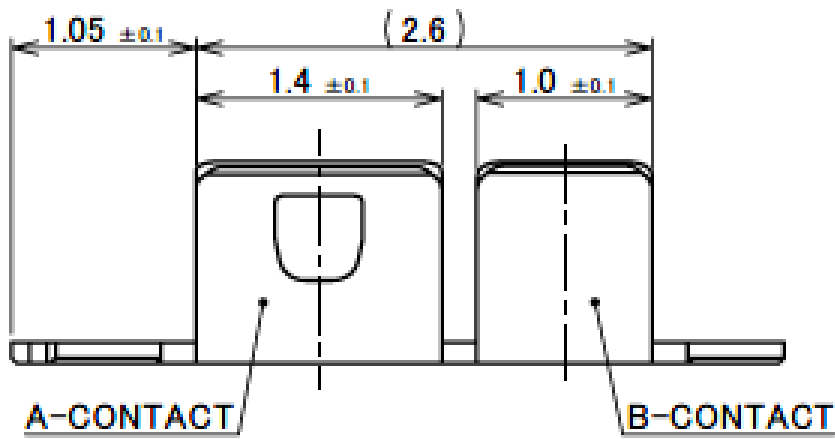
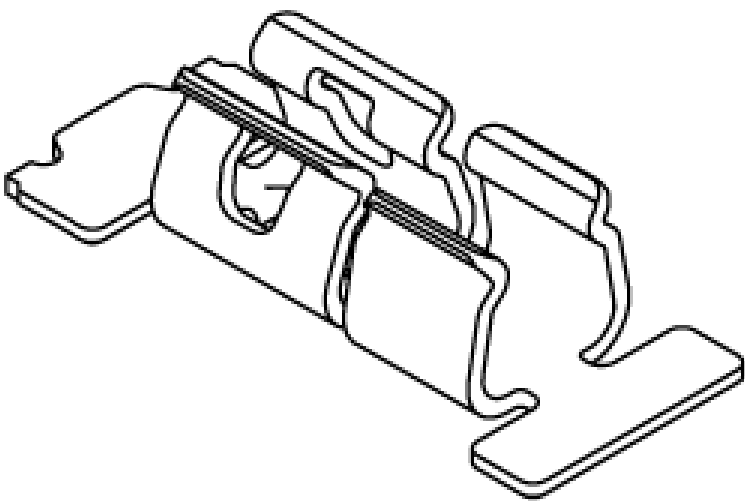
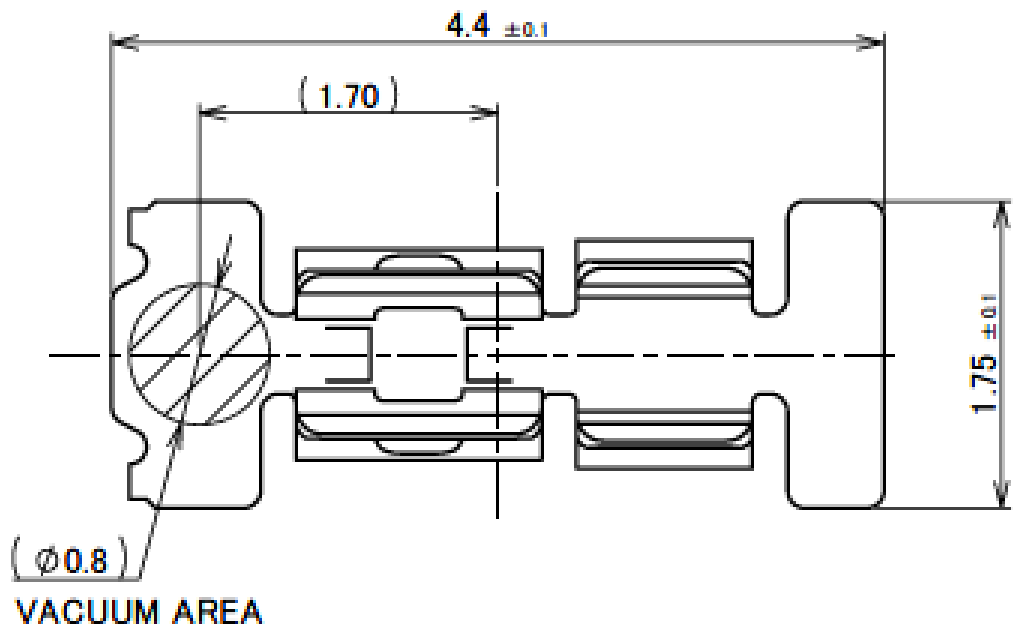
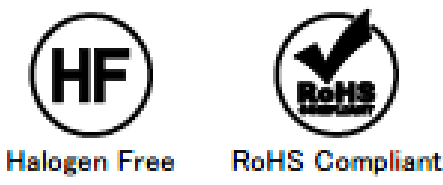
MP-A02

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

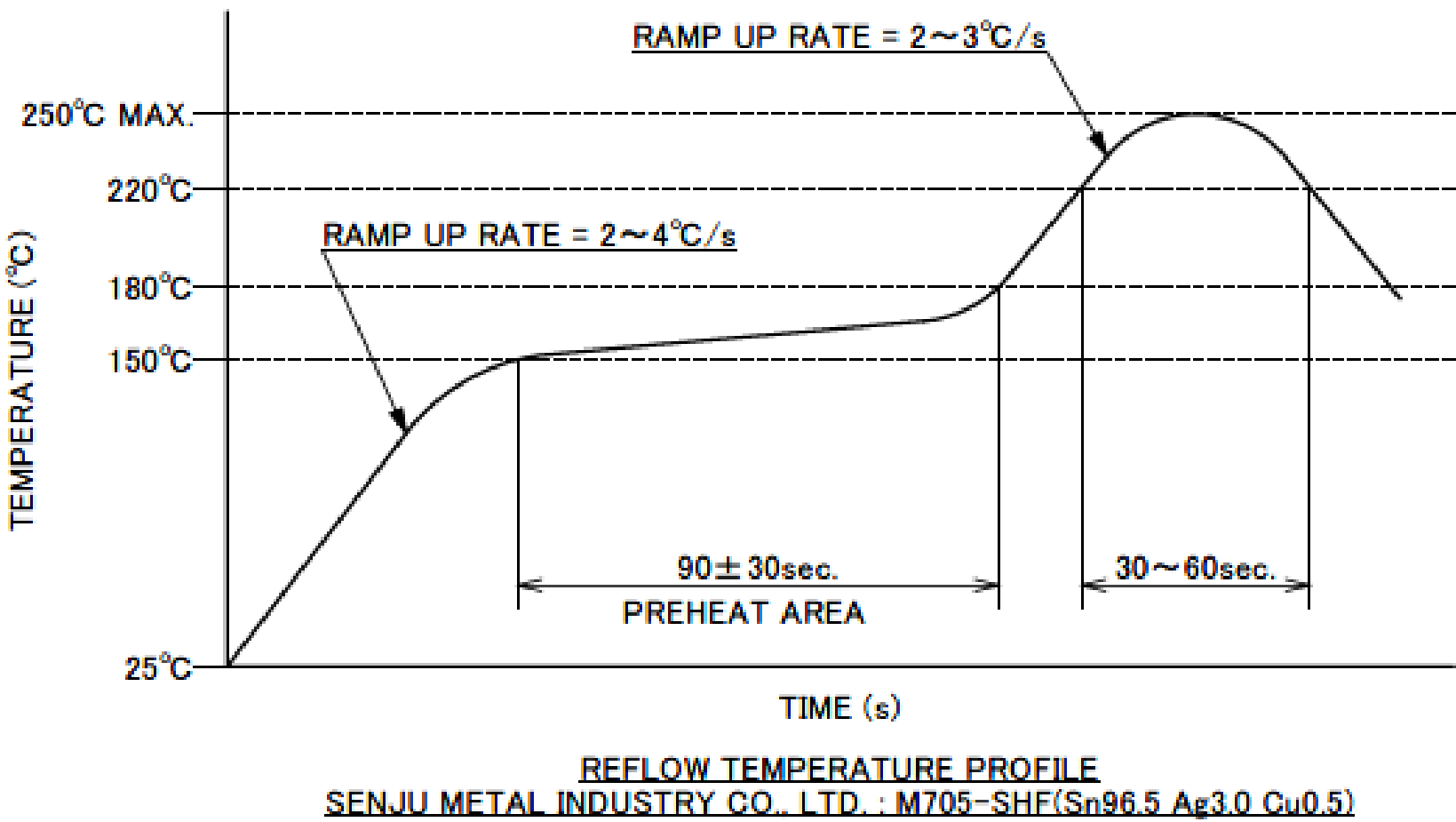
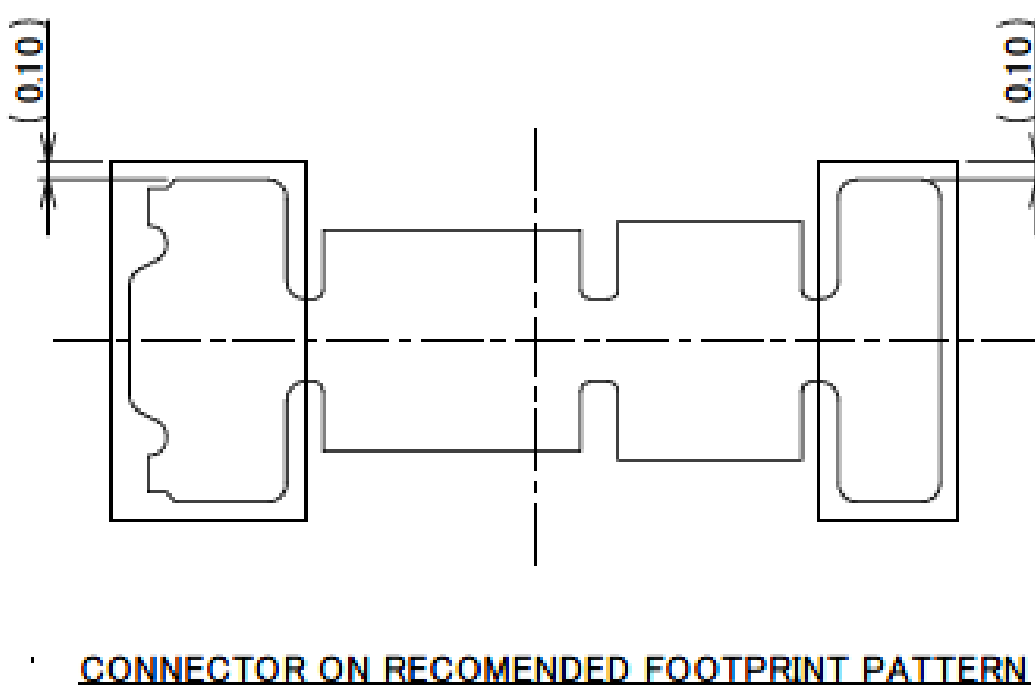
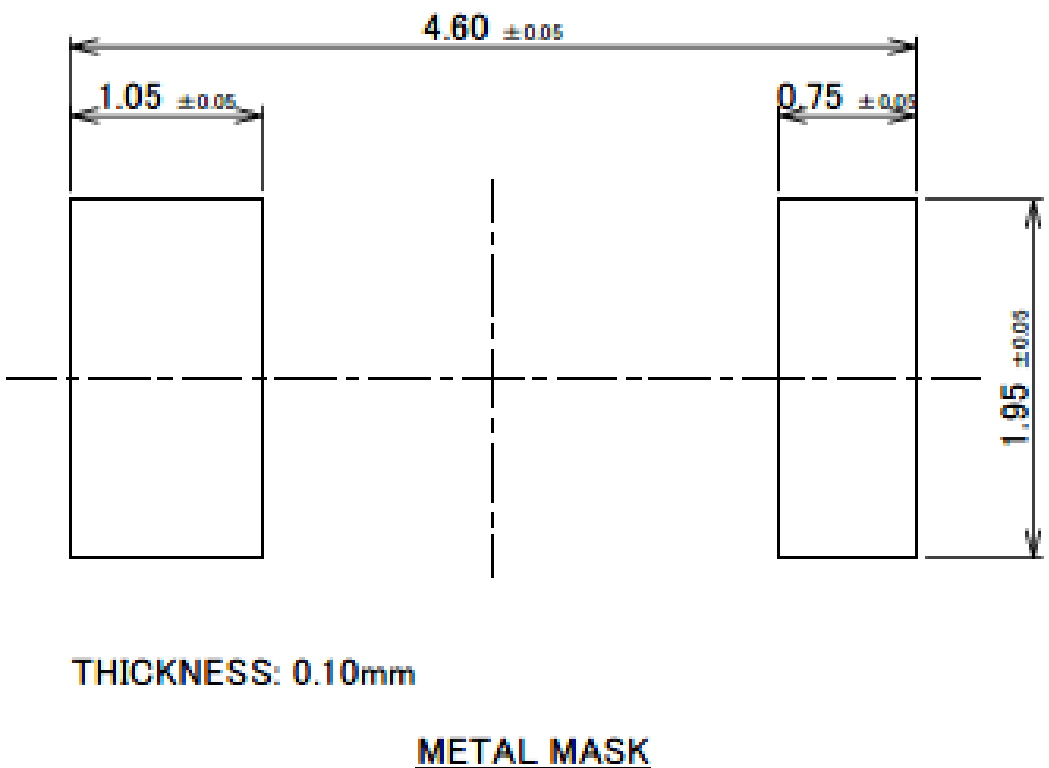
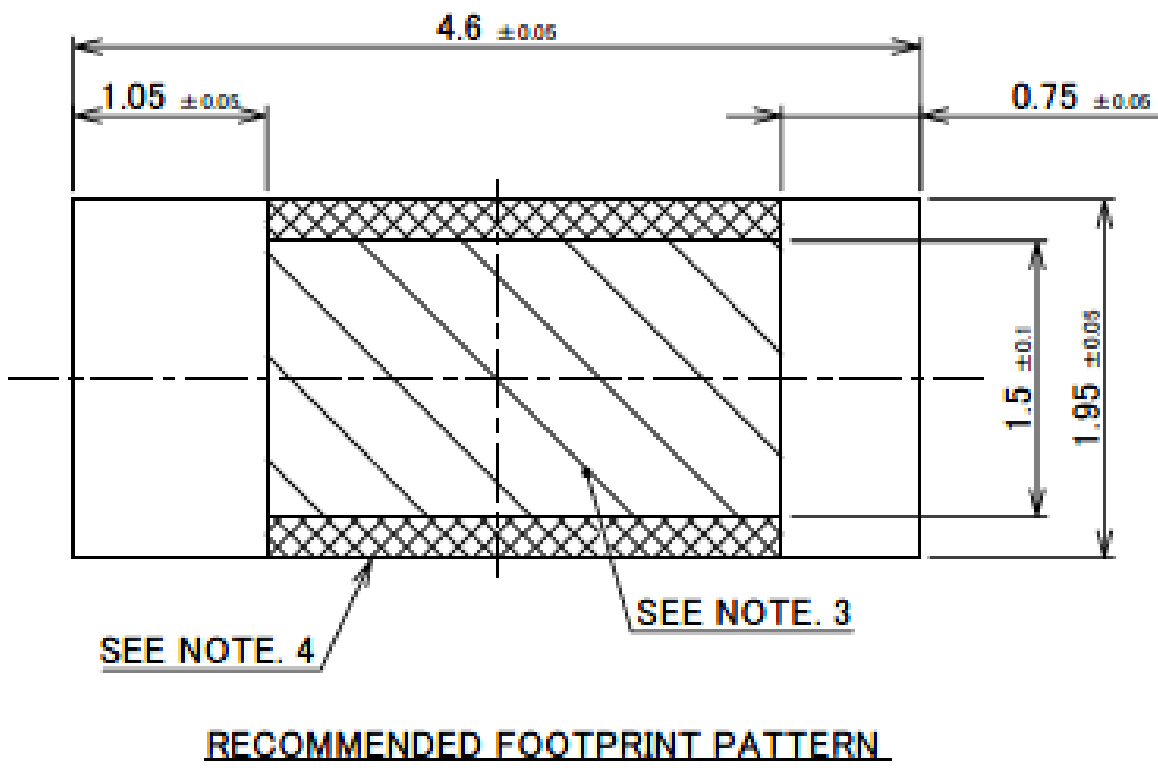
Rev.6

- 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



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

Rev.6

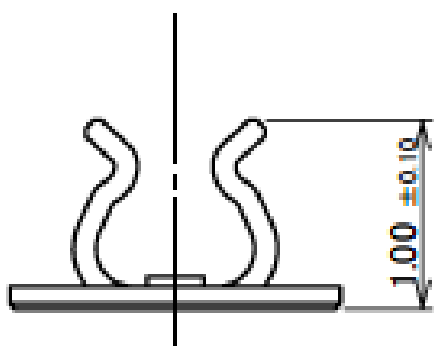
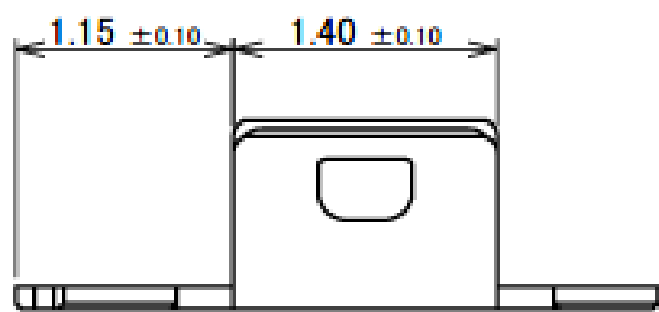
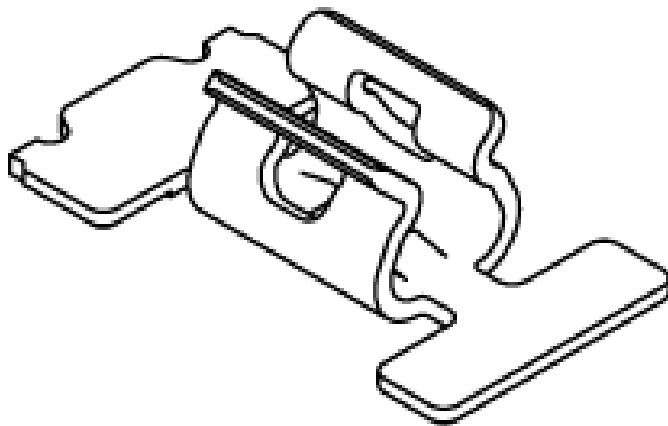
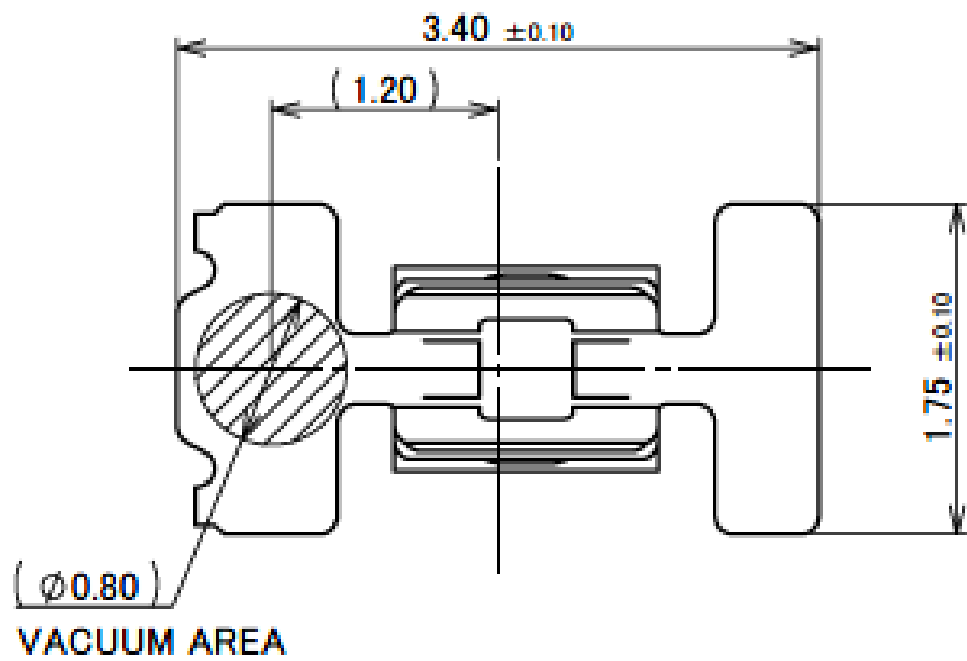
MP-A01

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℃~+85℃)
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	

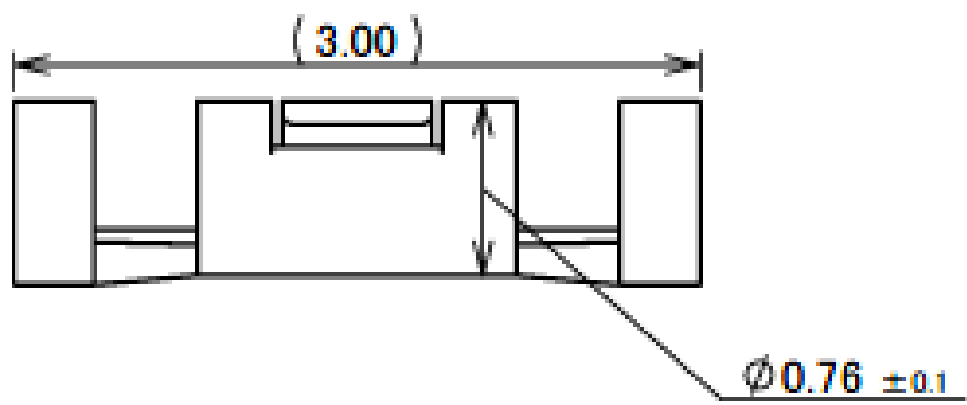


1	MP-A03	PHOSPHOR BRONZE	CONTACT PART Sn 2.00 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING PART Sn 1.00 μm MIN.OVER Ni 0.50 μm MIN.
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

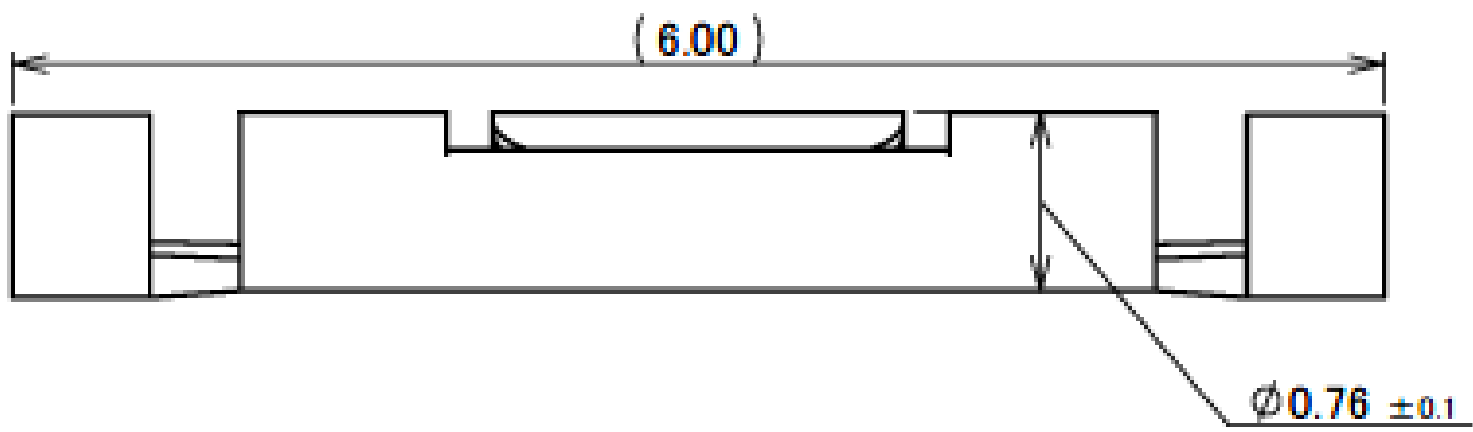
Rev.4

MP-A03

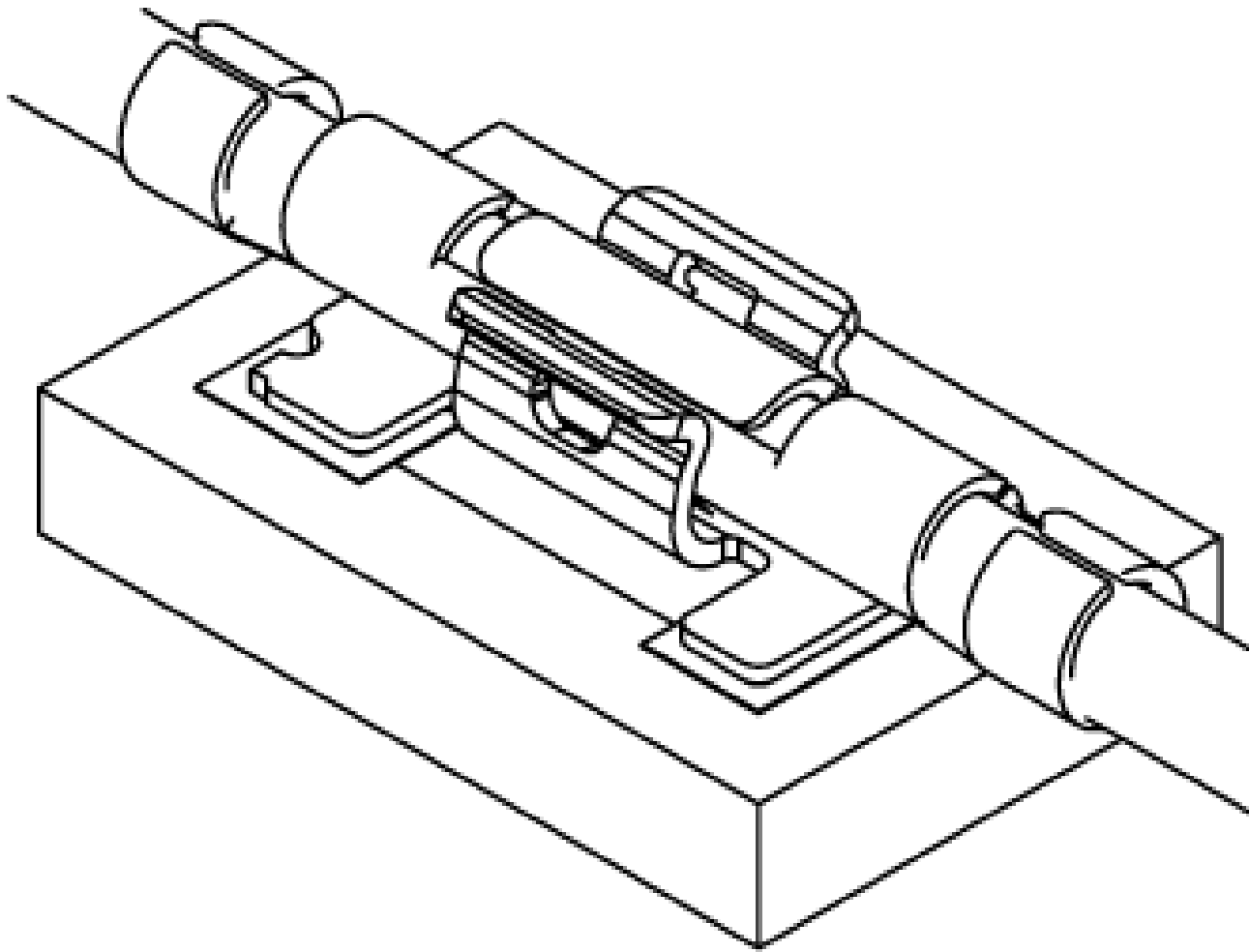
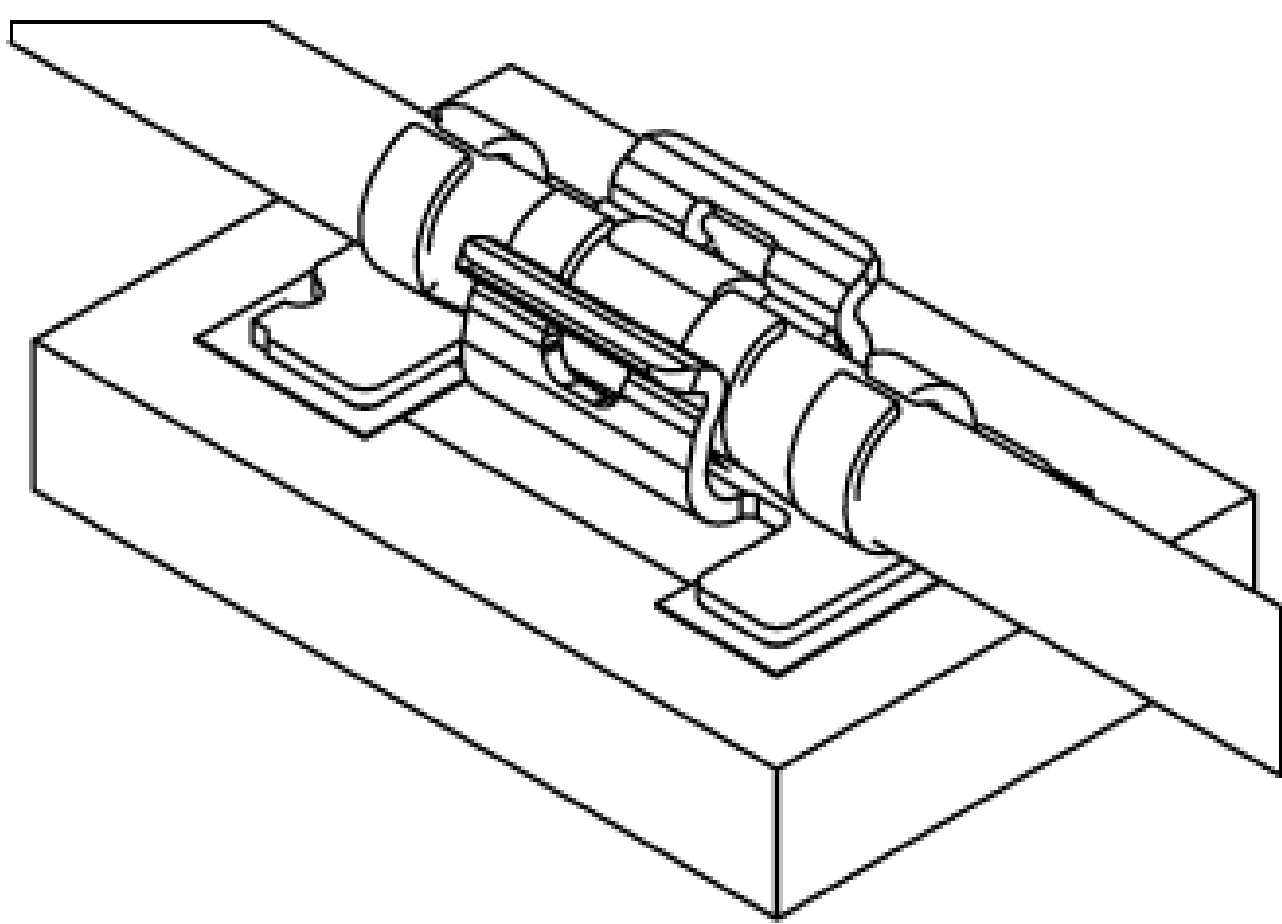
① Φ0.64 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2918-0302)



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



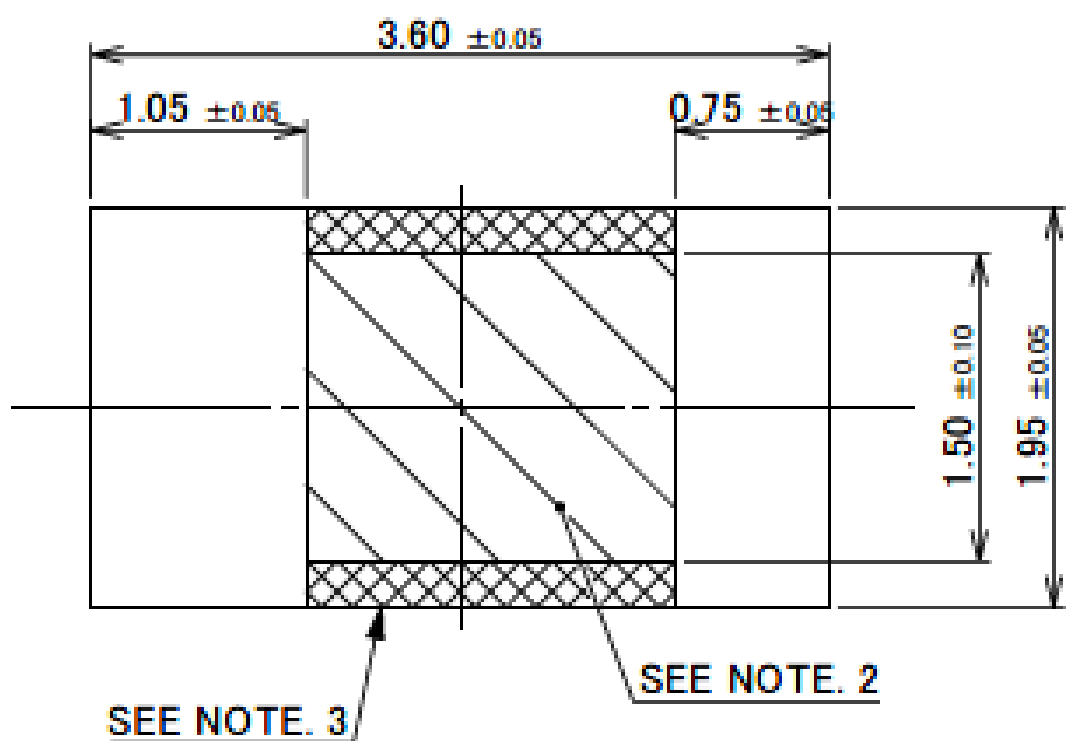
APPLICABLE CABLE



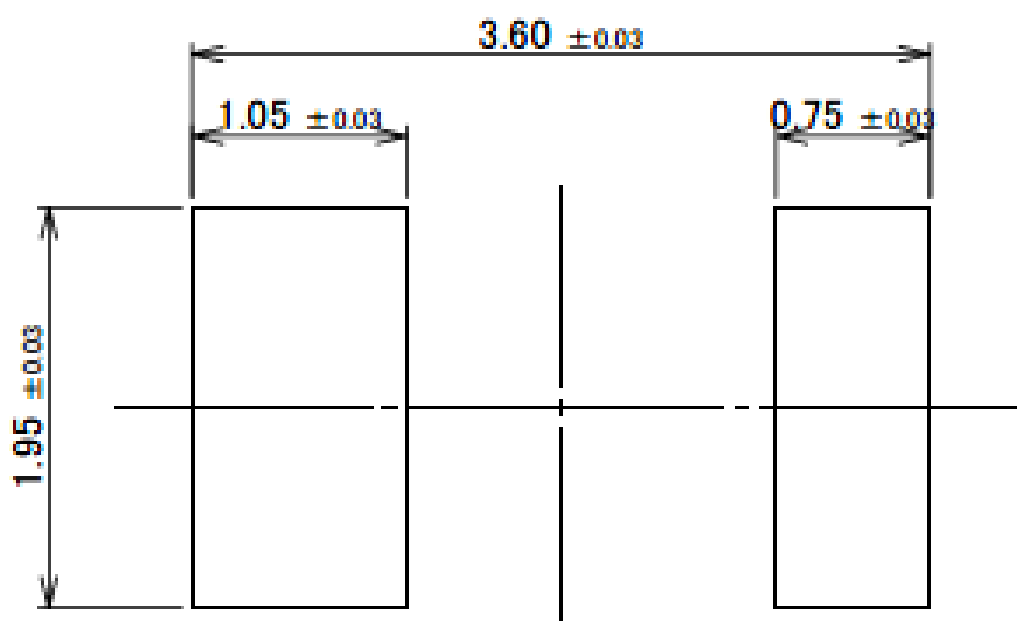
MATING CONDITION

NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.4

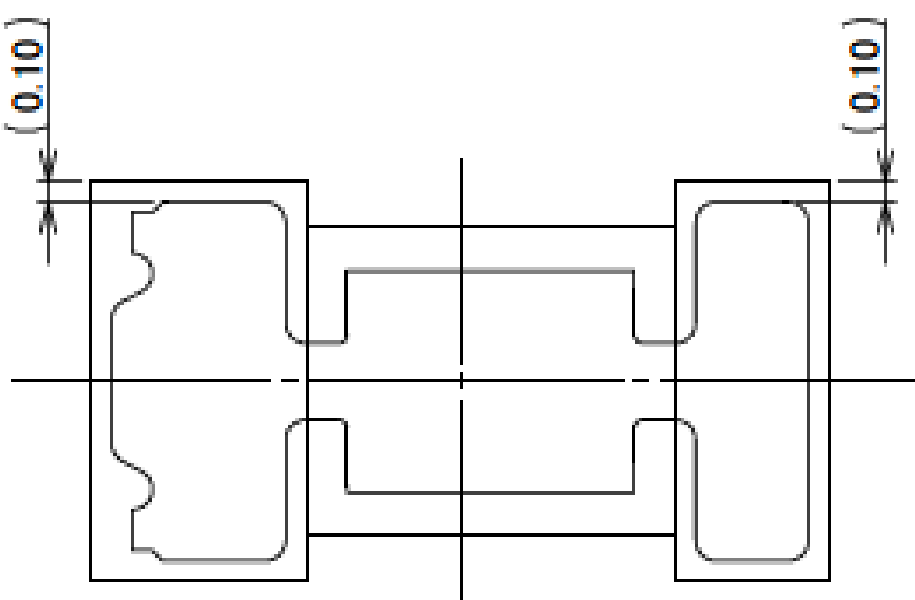


RECOMMENDED FOOTPRINT PATTERN

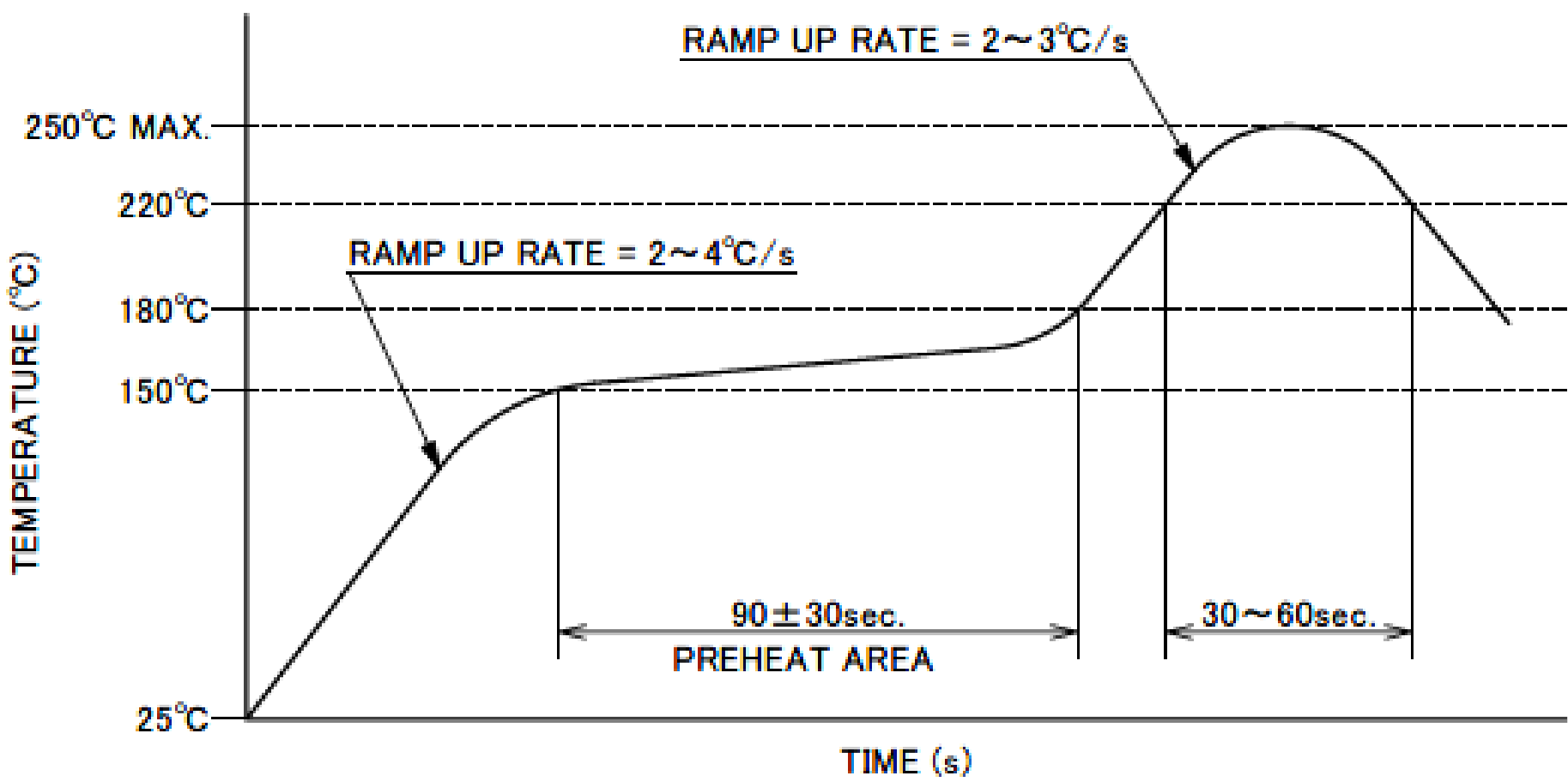


THICKNESS: 0.10mm

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°C~+85°C)
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



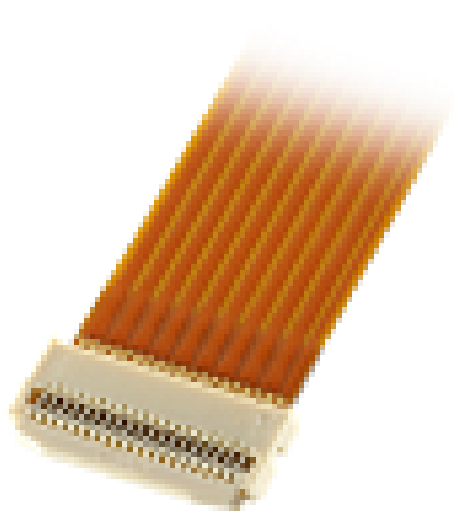
Autolocking
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical
Module



High-Speed



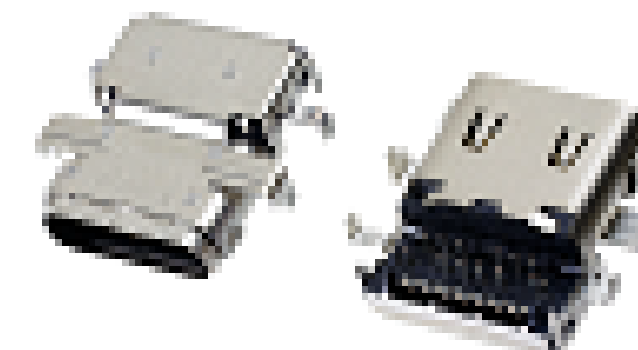
Power



High-Power



I/O
(Input/Output)



Quick charge



Effector



Custom
Connectors
Available

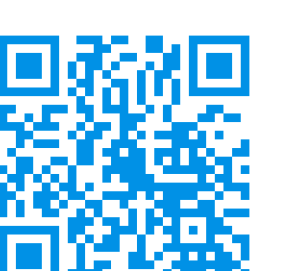
Inquiry



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