

MP-A

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



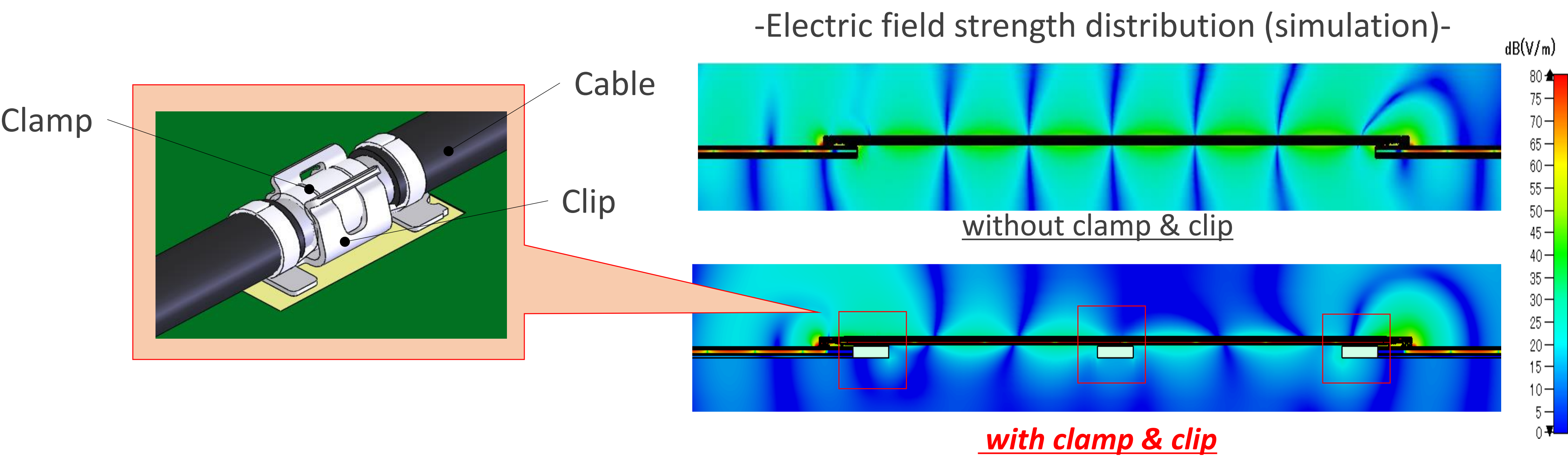
Product Specifications:

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

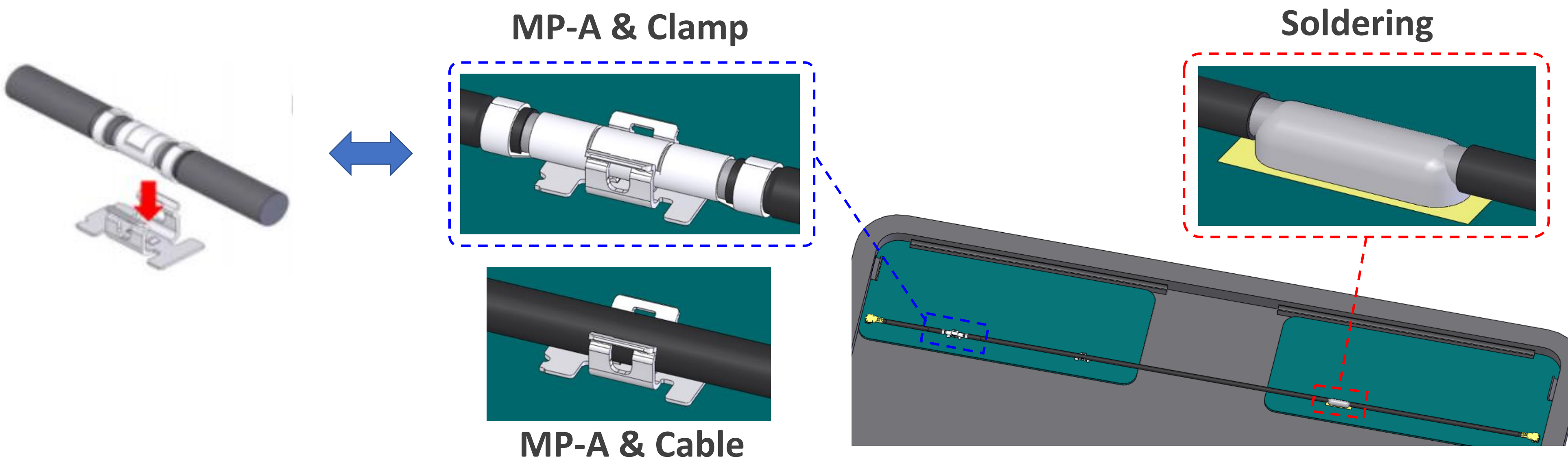
Applicable Cable Size:

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

► Provides EMI improvements for dense RF applications



► Reduces tact time for assembly and rework



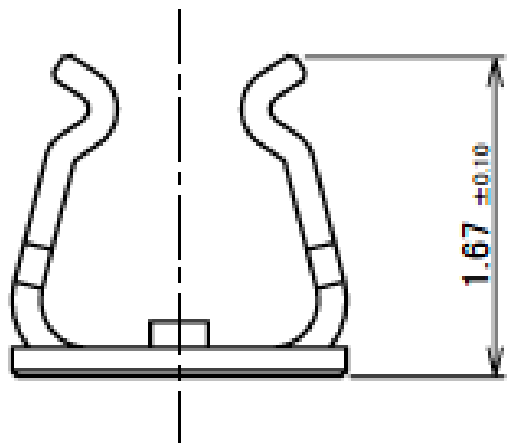
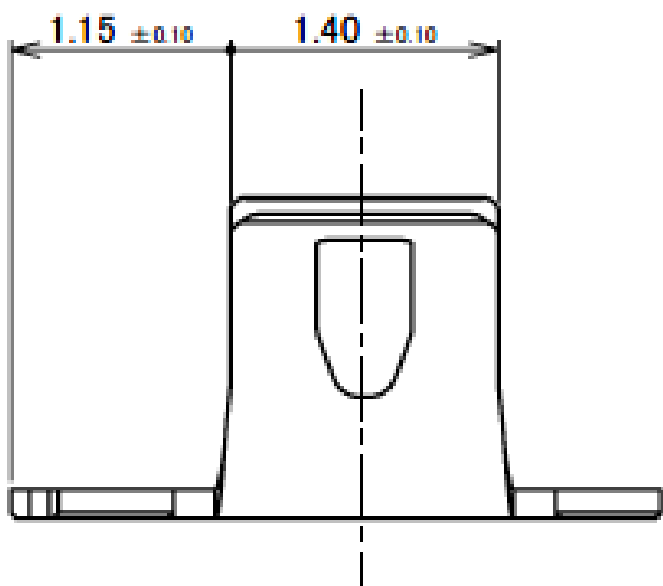
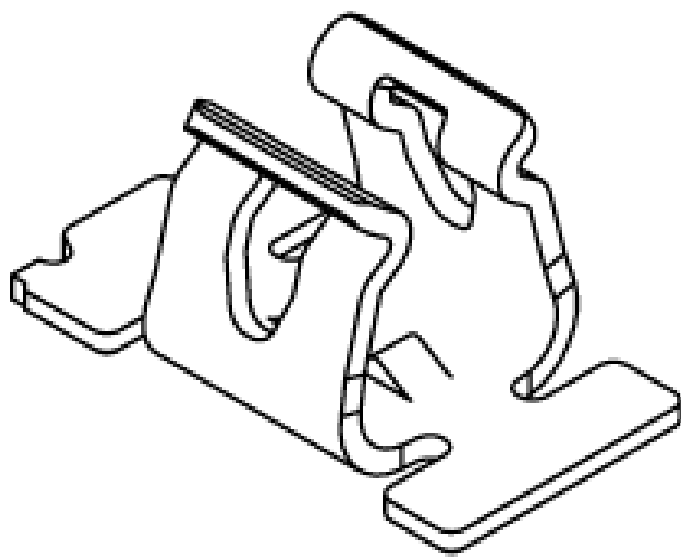
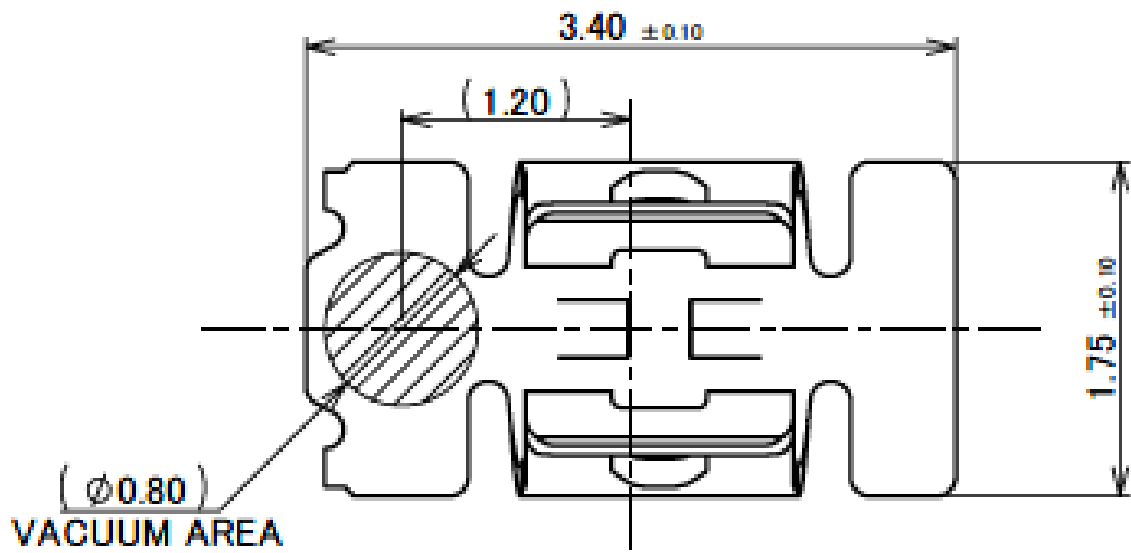
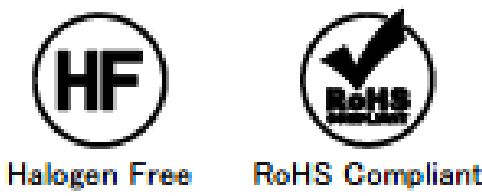
► Clamp sizes available in 3.0 mm and 6.0 mm versions depending on cable outer diameter

		3 mm Clamp	6 mm Clamp	MP-A Series
Coaxial 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

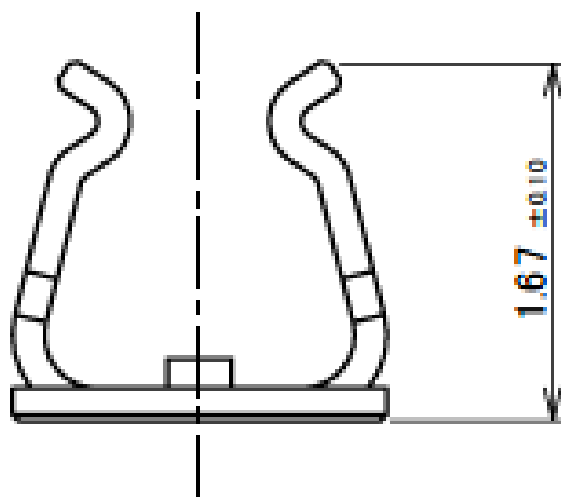
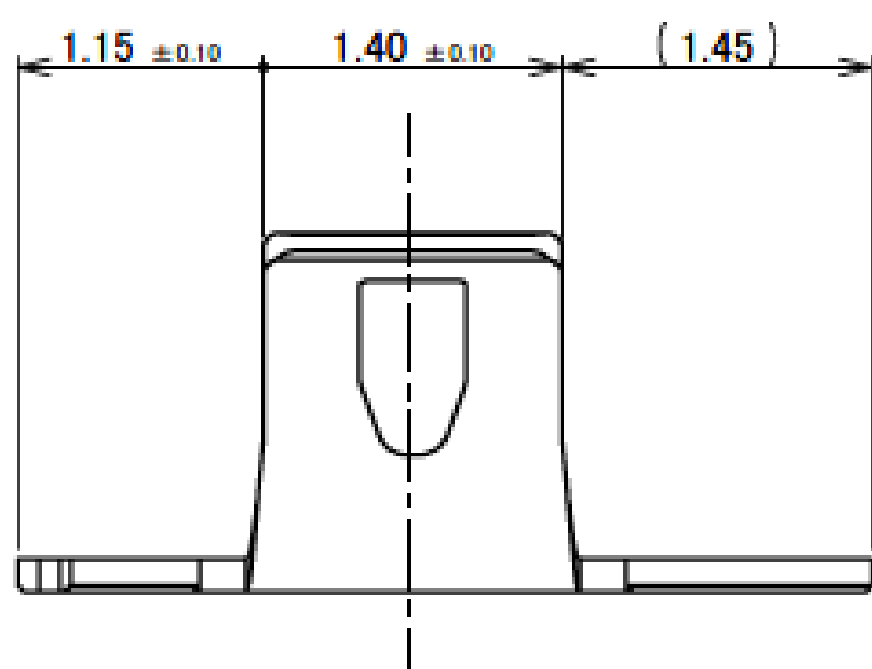
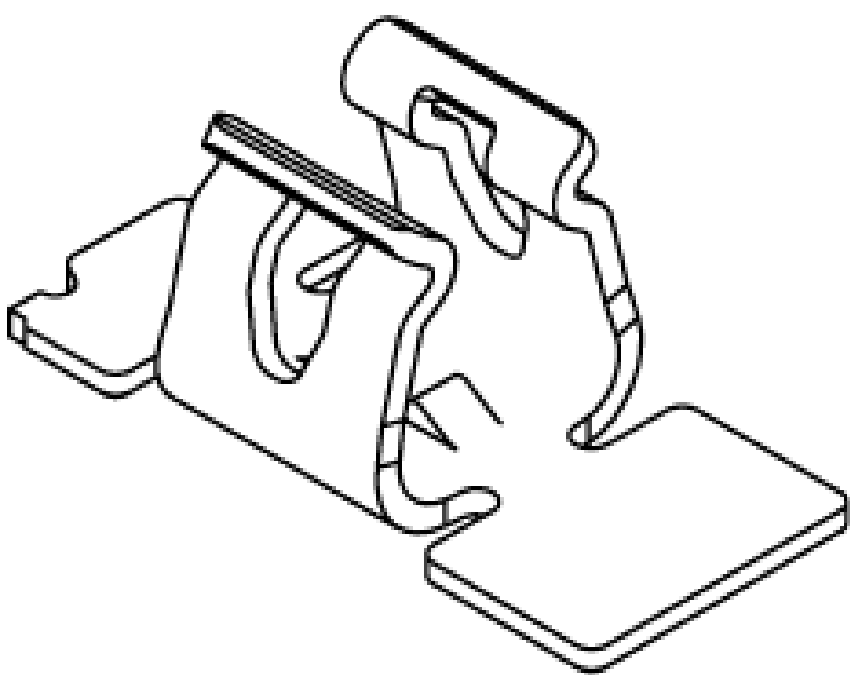
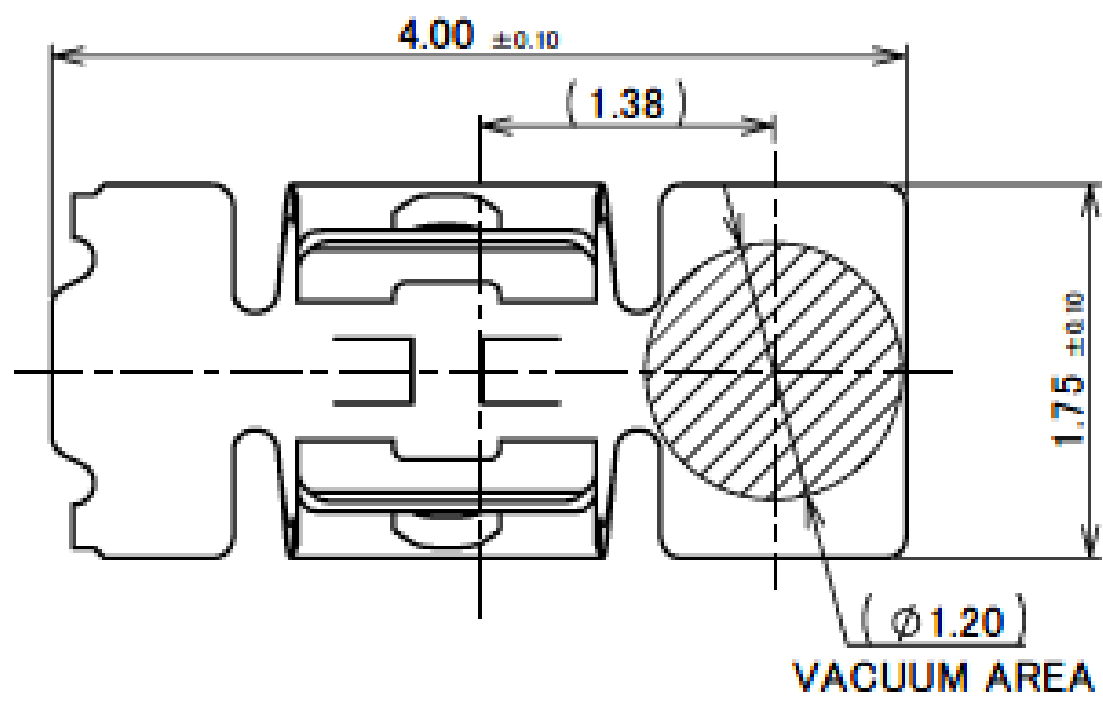
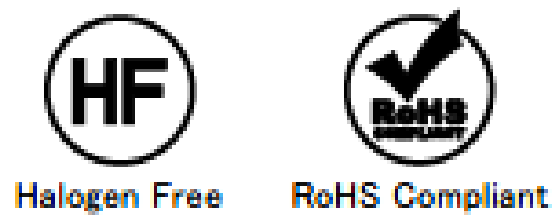
Recommended P/N	3224-0001
PART NO.	
3224-0001	



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

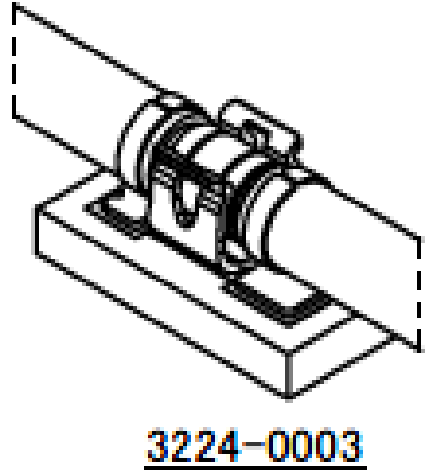
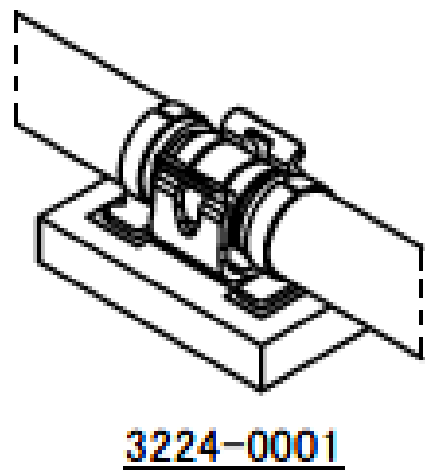
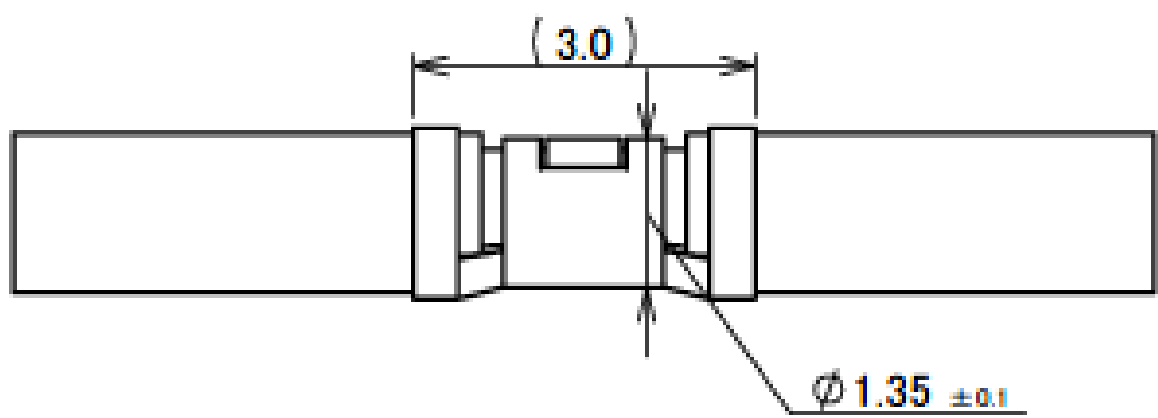
MP-A04

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

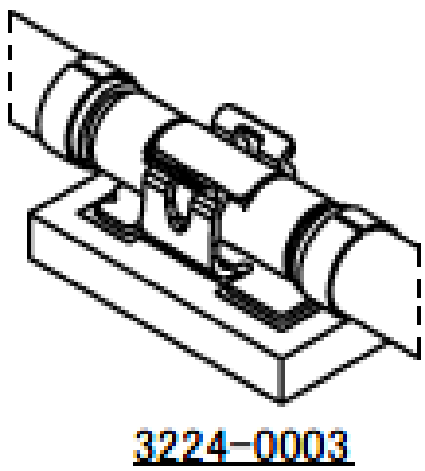
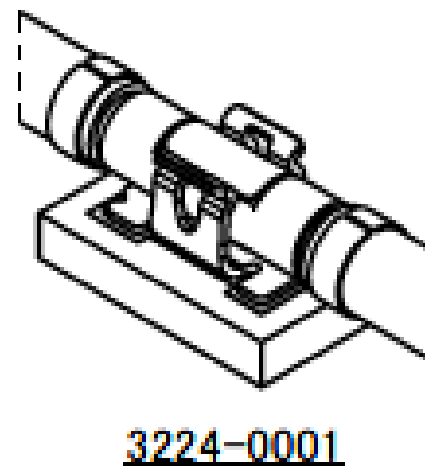
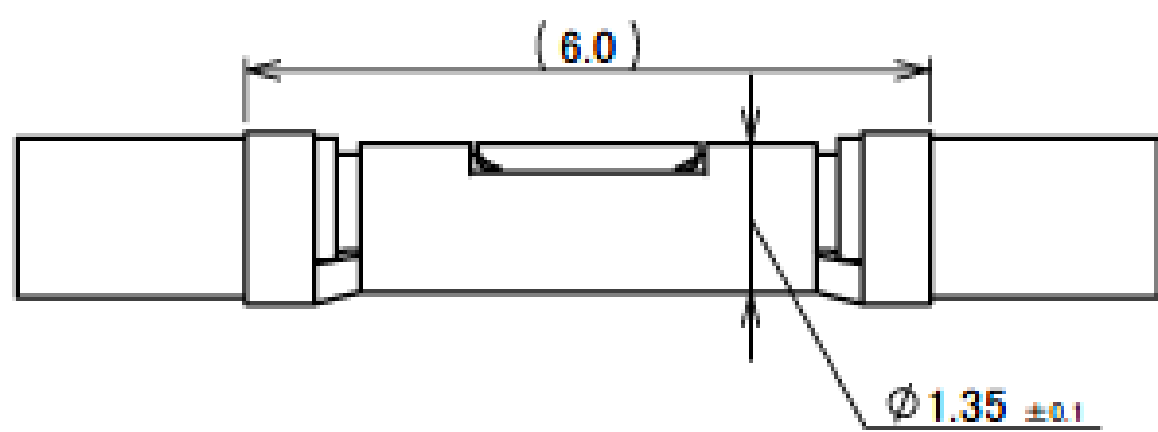


Rev.8

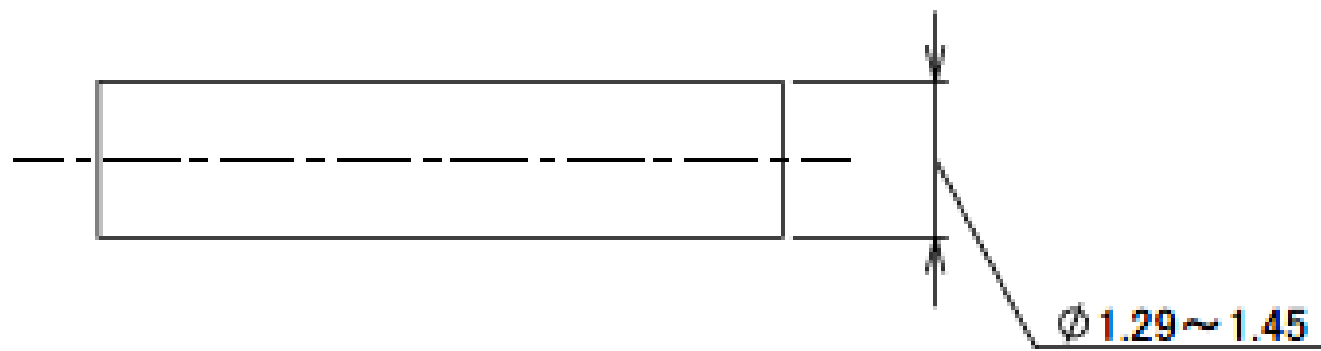
① φ 1.37 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 3223-0302)



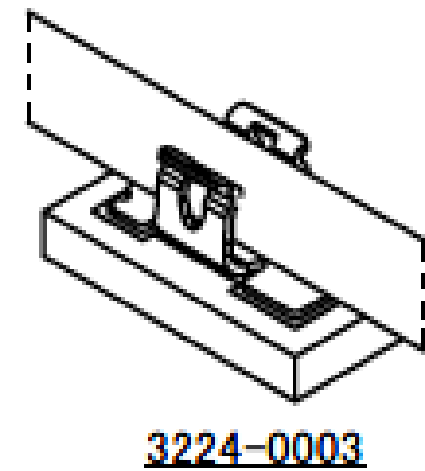
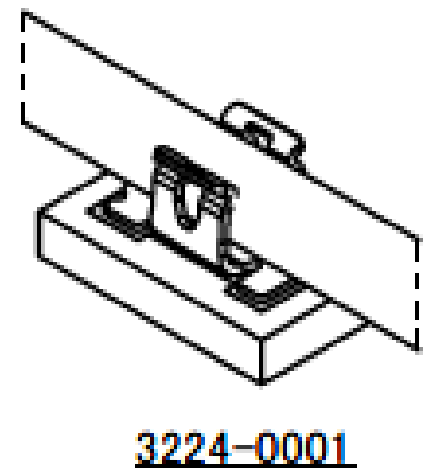
② φ 1.37 COAXIAL CABLE WITH 6mm CABLE CLAMP (P/N : 3223-0602)



③ φ 1.37 COAXIAL CABLE



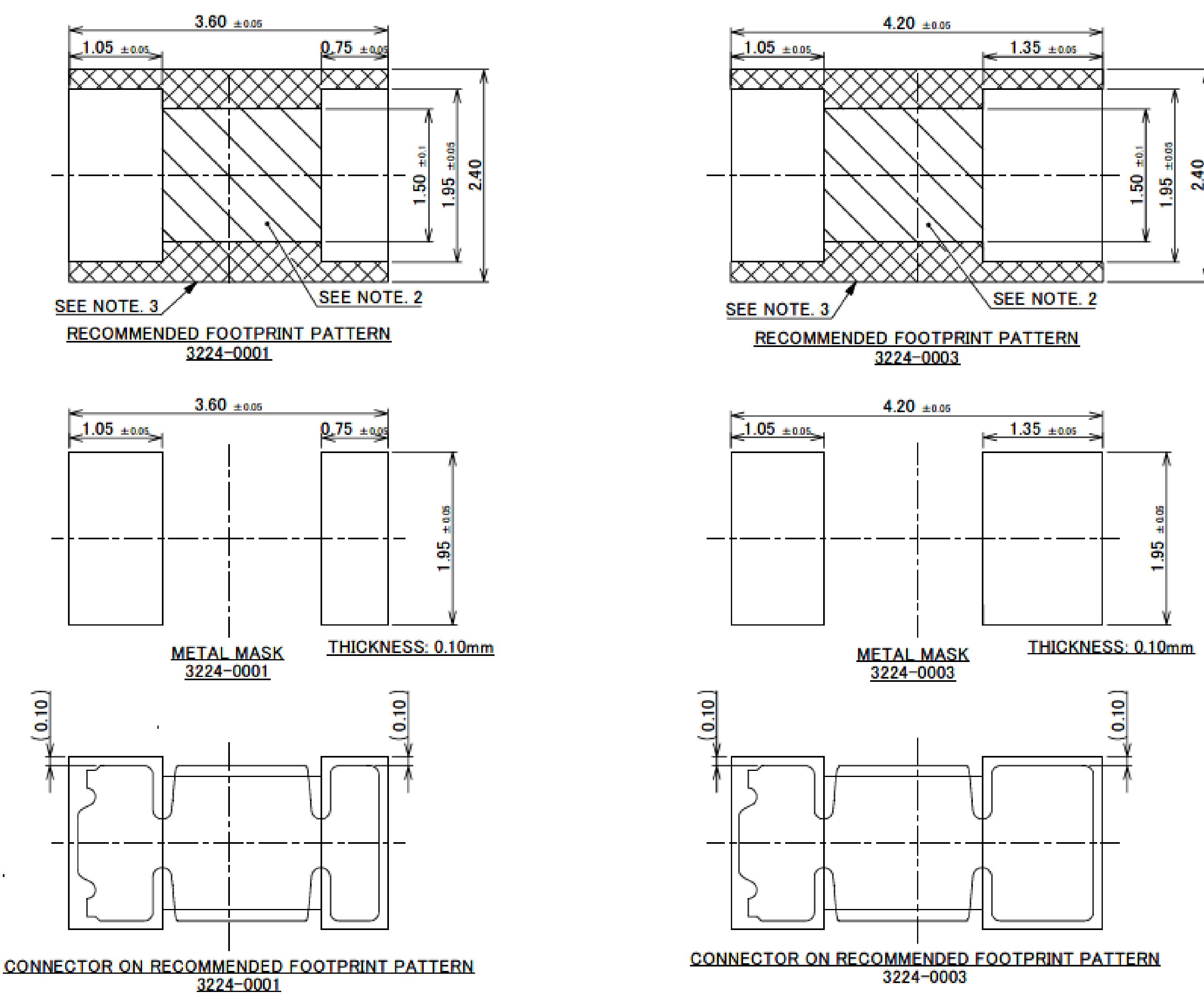
APPLICABLE CABLE



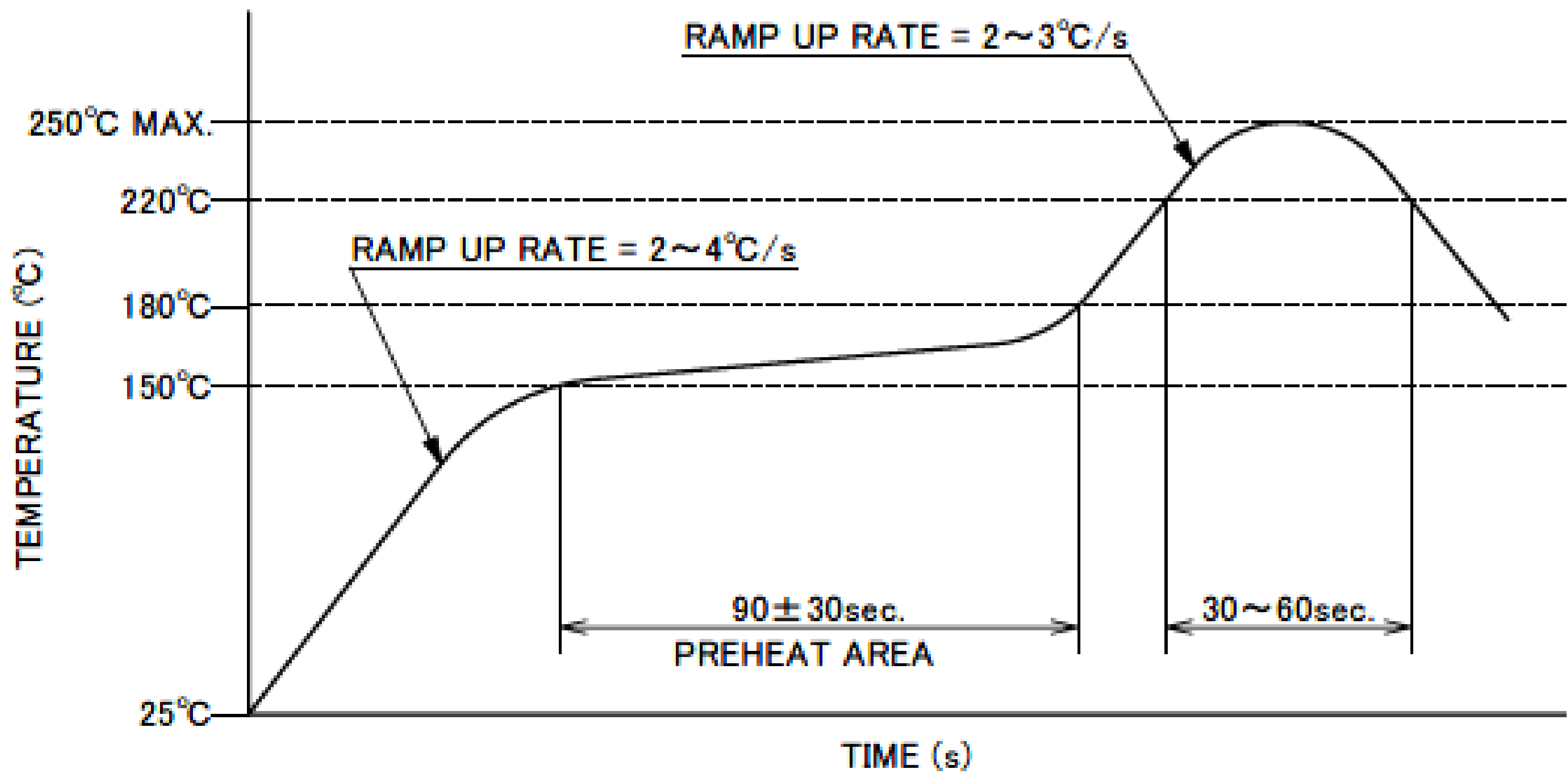
MATING CONDITION
(S = 6/1)

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.



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. :

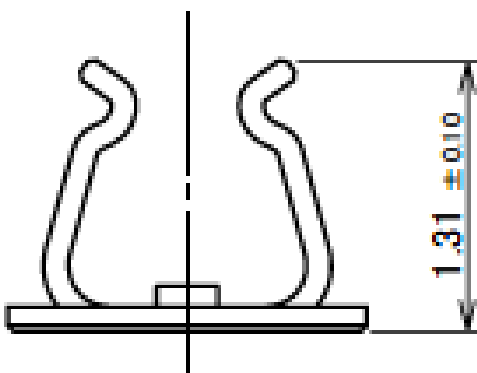
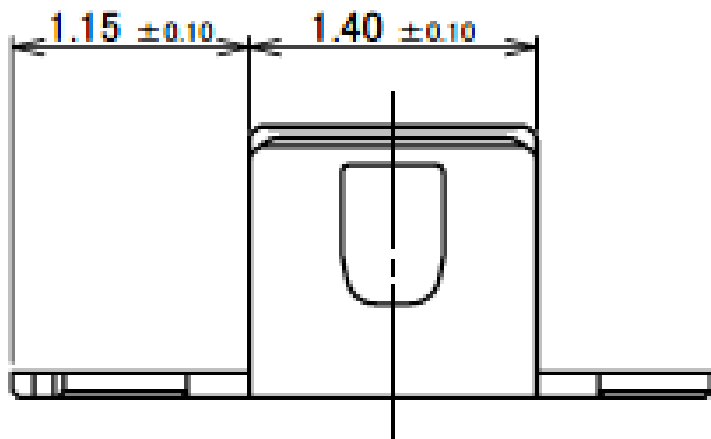
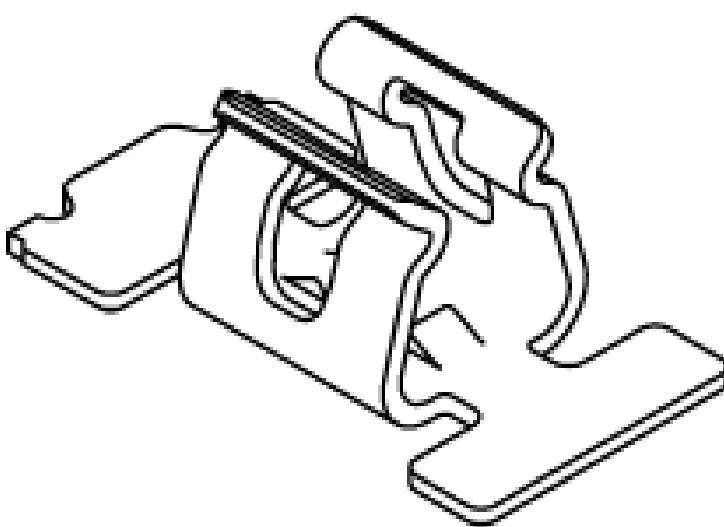
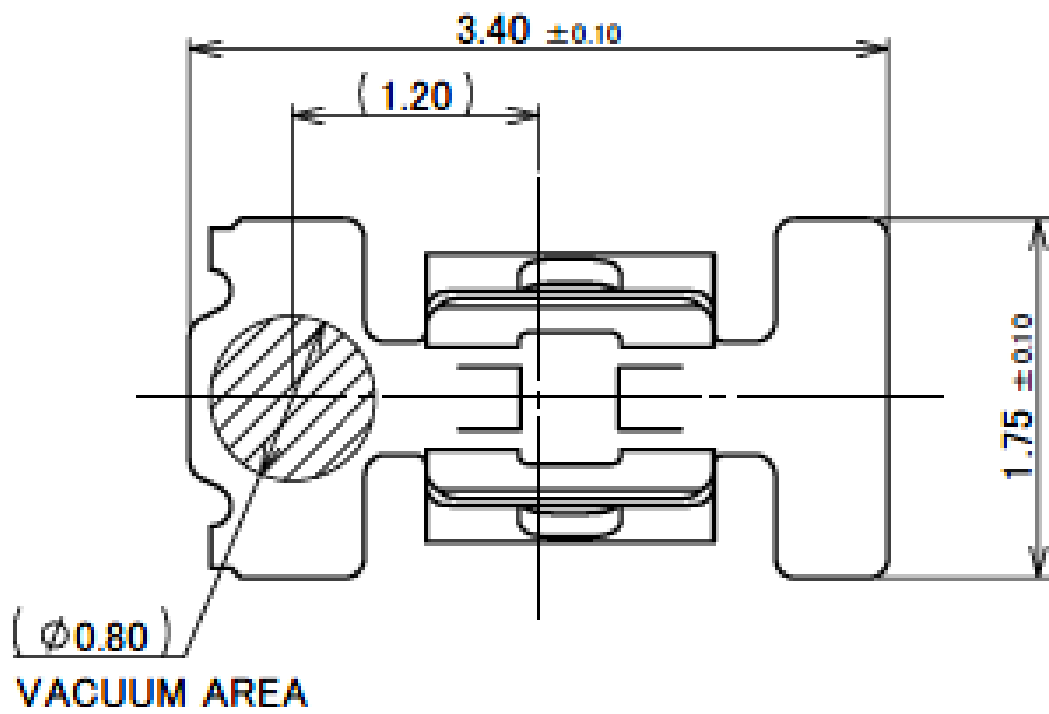
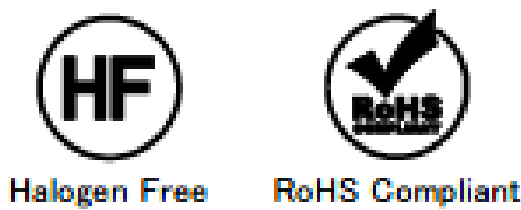
MP-A04

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	•CABLE CLAMP (3mm) FOR Φ 1.37 COAXIAL CABLE (P/N: 3223-0302) •CABLE CLAMP (6mm) FOR Φ 1.37 COAXIAL CABLE (P/N: 3223-0602) •CABLE JACKET (OUTSIDE DIAMETER Φ 1.37±0.08) OF Φ 1.37 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	

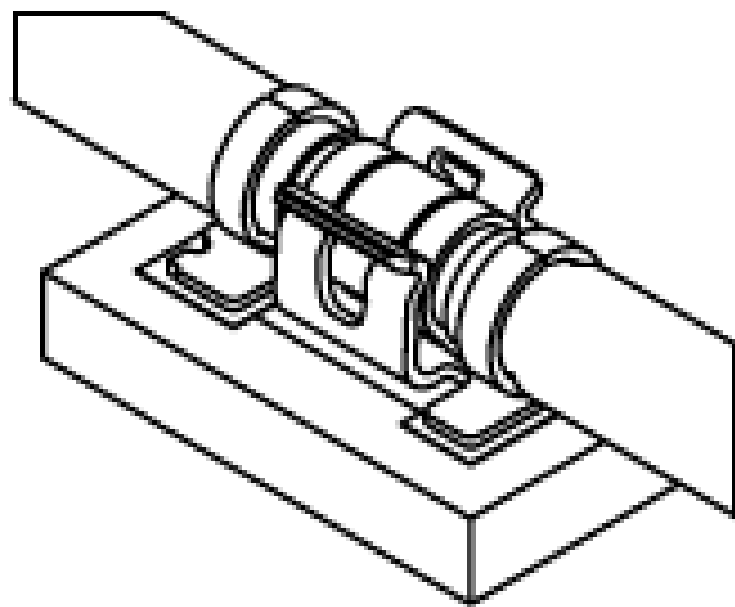
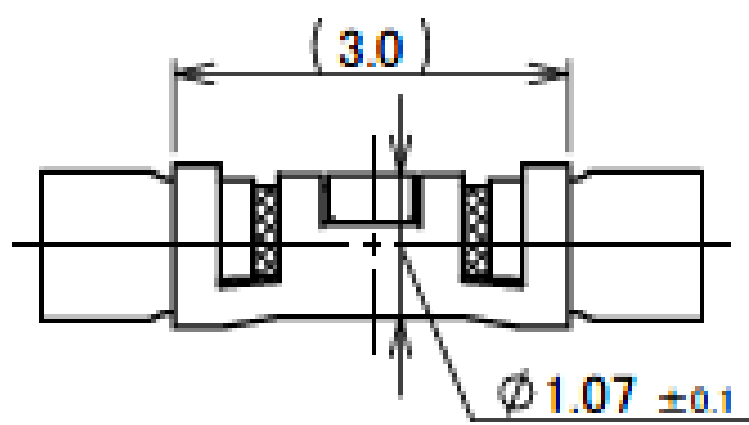


NOTE.
1. RECOMMENDED VACUUME NOZZLE SIZE : φ 0.5

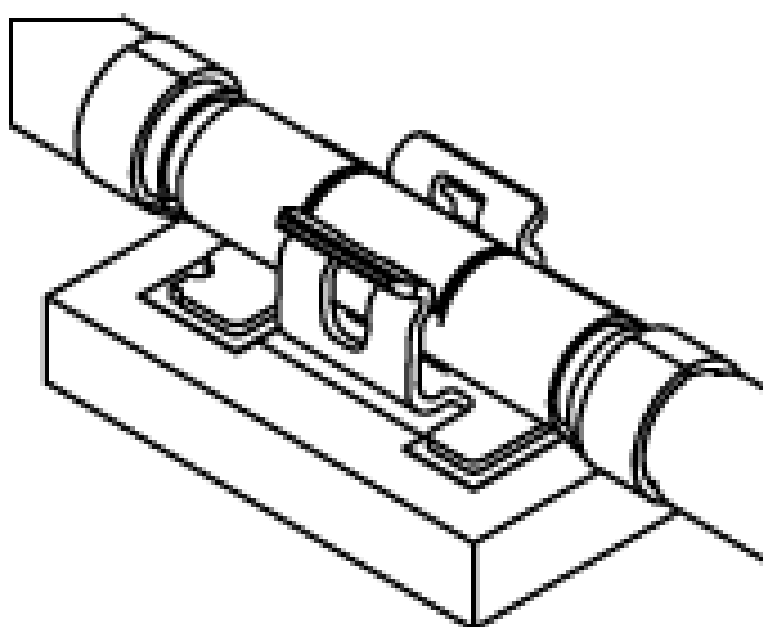
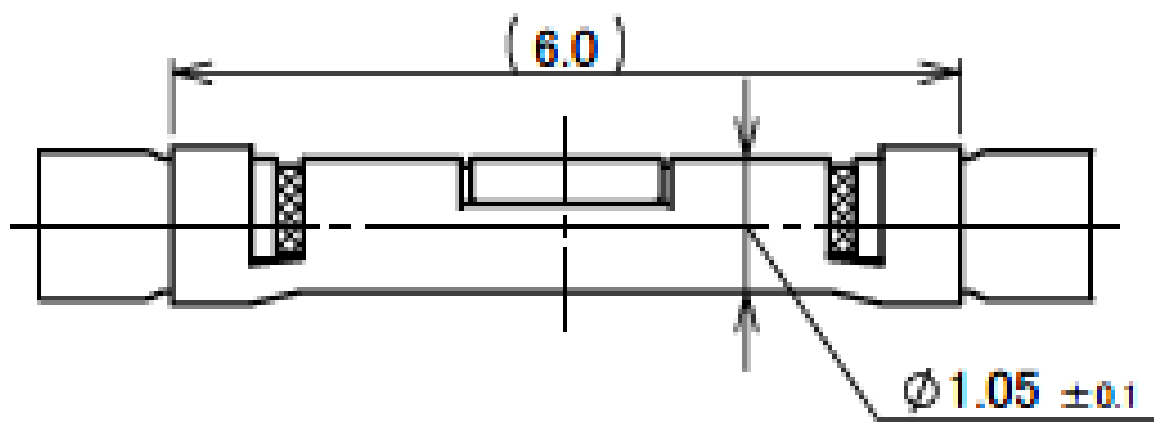
1	MP-A02	PHOSPHOR BRONZE	CONTACT PART Sn 2.00 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING PART Sn 1.00 μ m MIN.OVER Ni 0.50 μ m MIN.
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.5

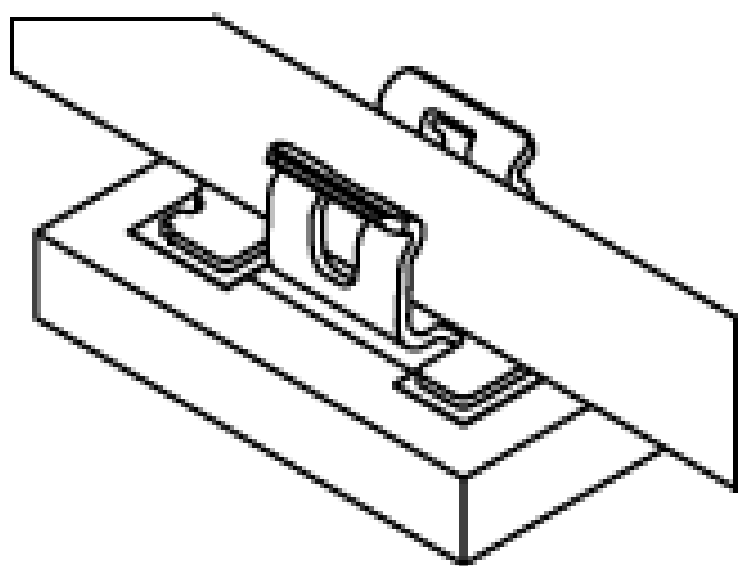
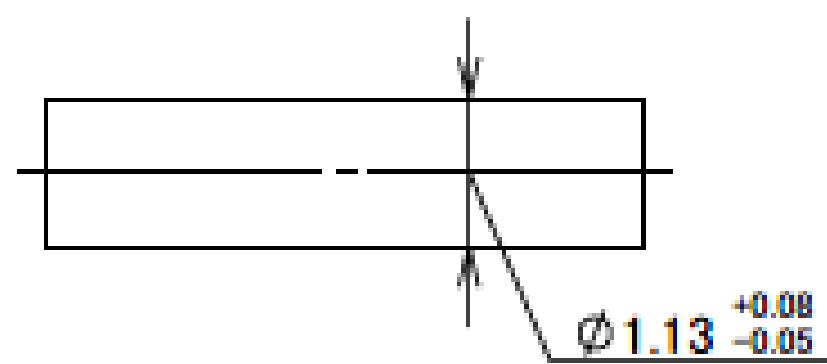
① Φ 1.13 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2912-0302)



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



③ Φ 1.13 COAXIAL CABLE

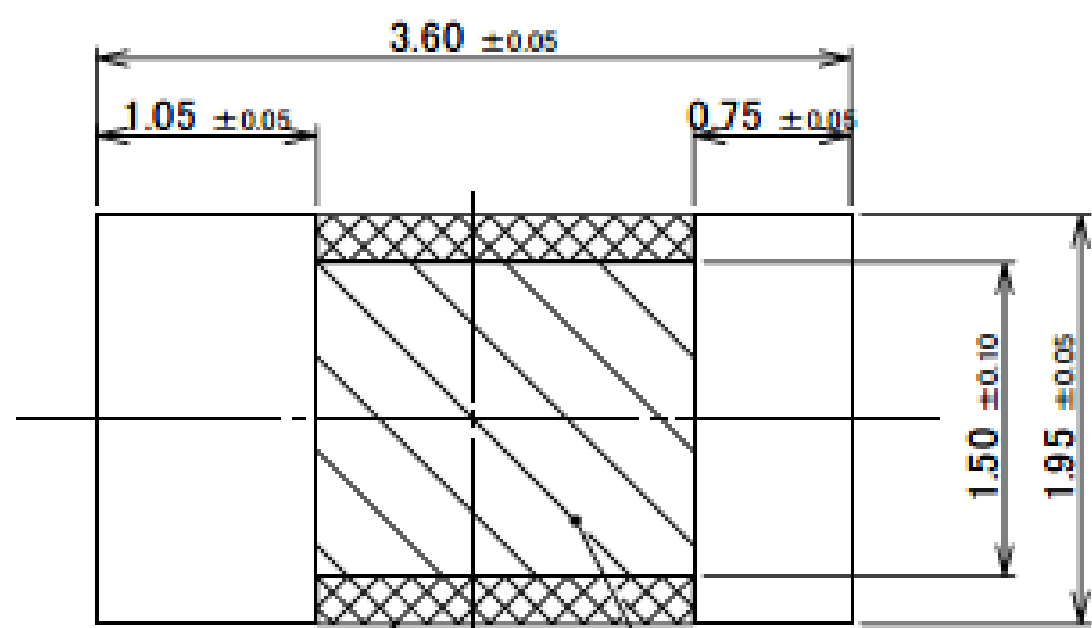


APPLICABLE CABLE

MATING CONDITION

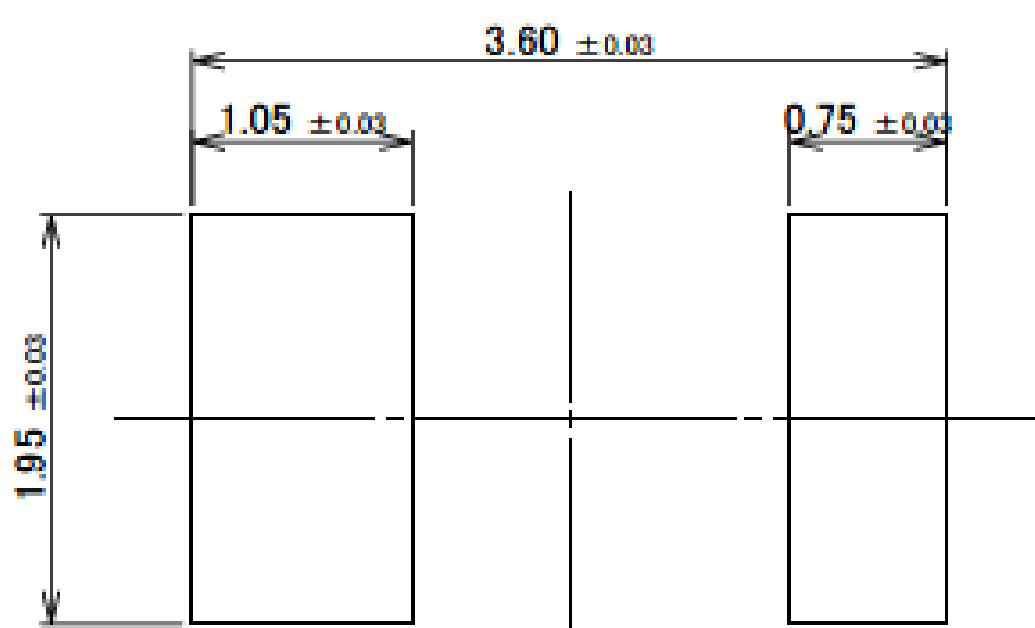
NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.5



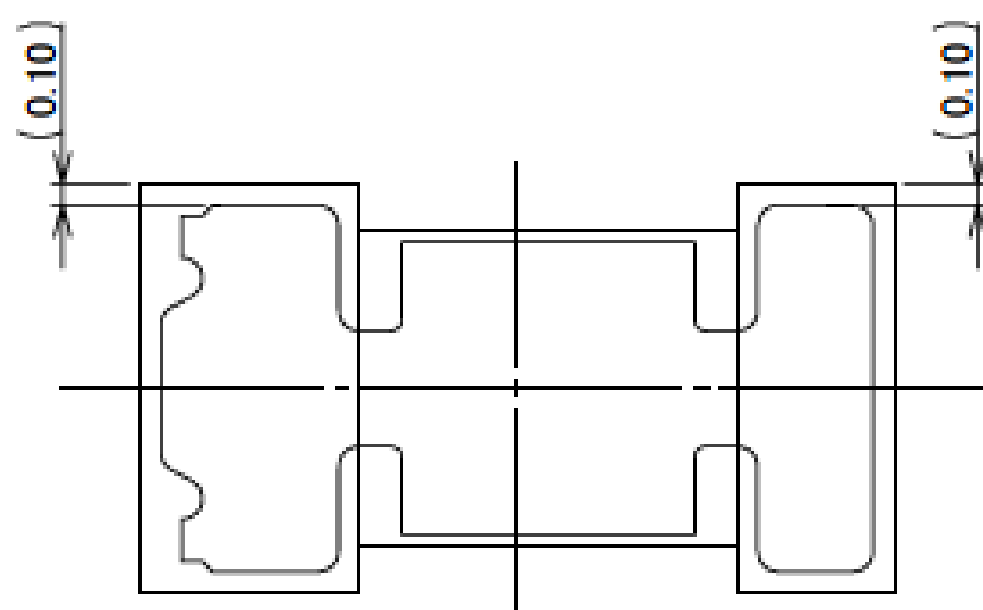
SEE NOTE. 4 SEE NOTE. 3

RECOMMENDED FOOTPRINT PATTERN

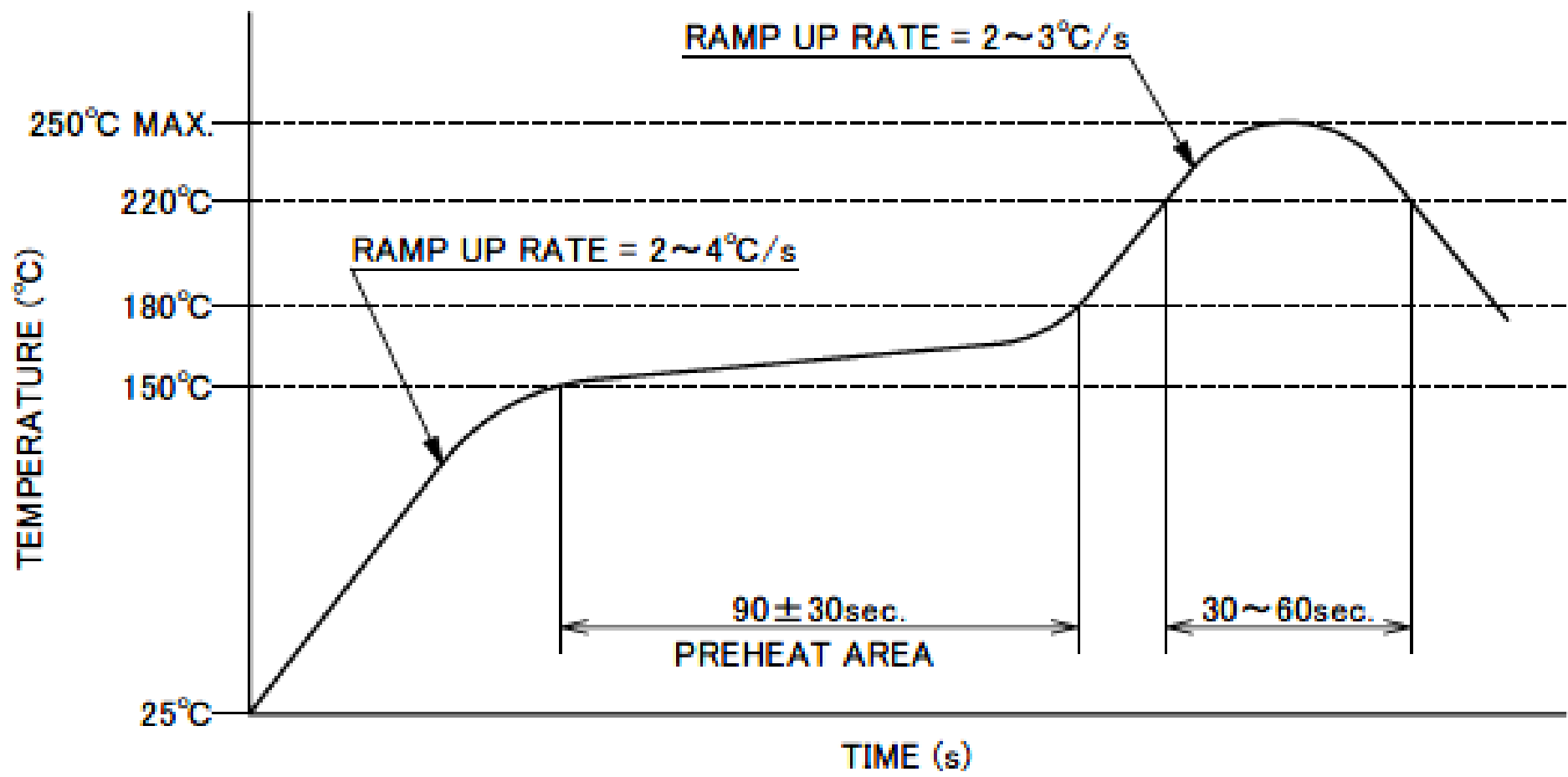


THICKNESS: 0.10mm

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

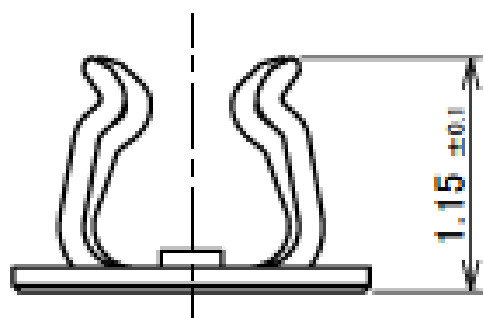
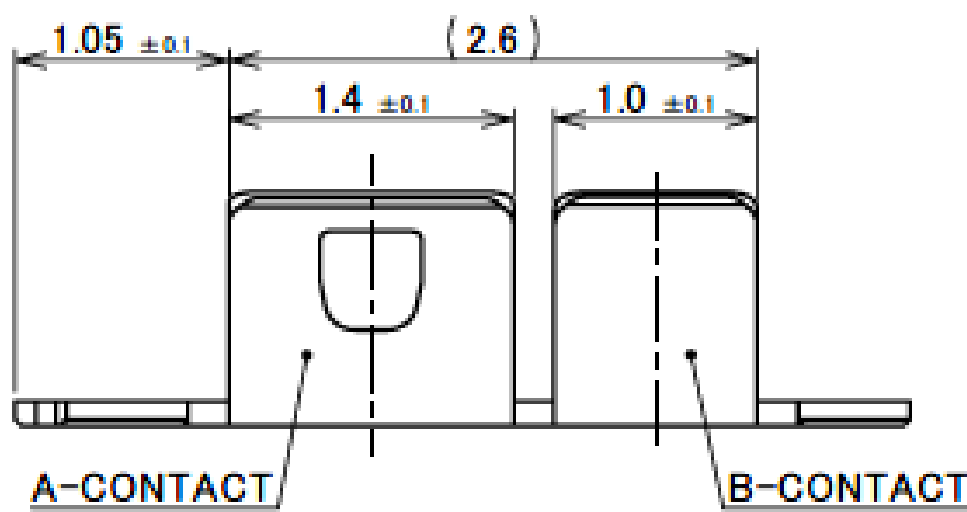
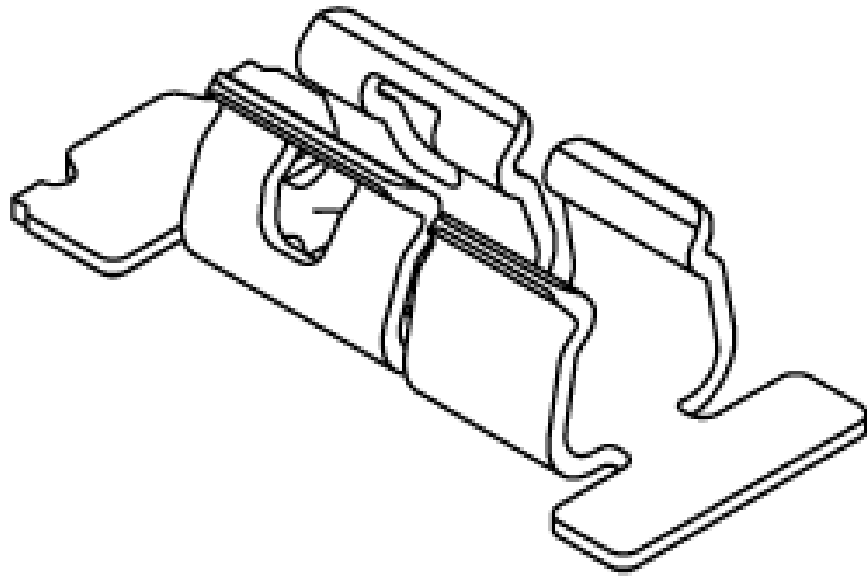
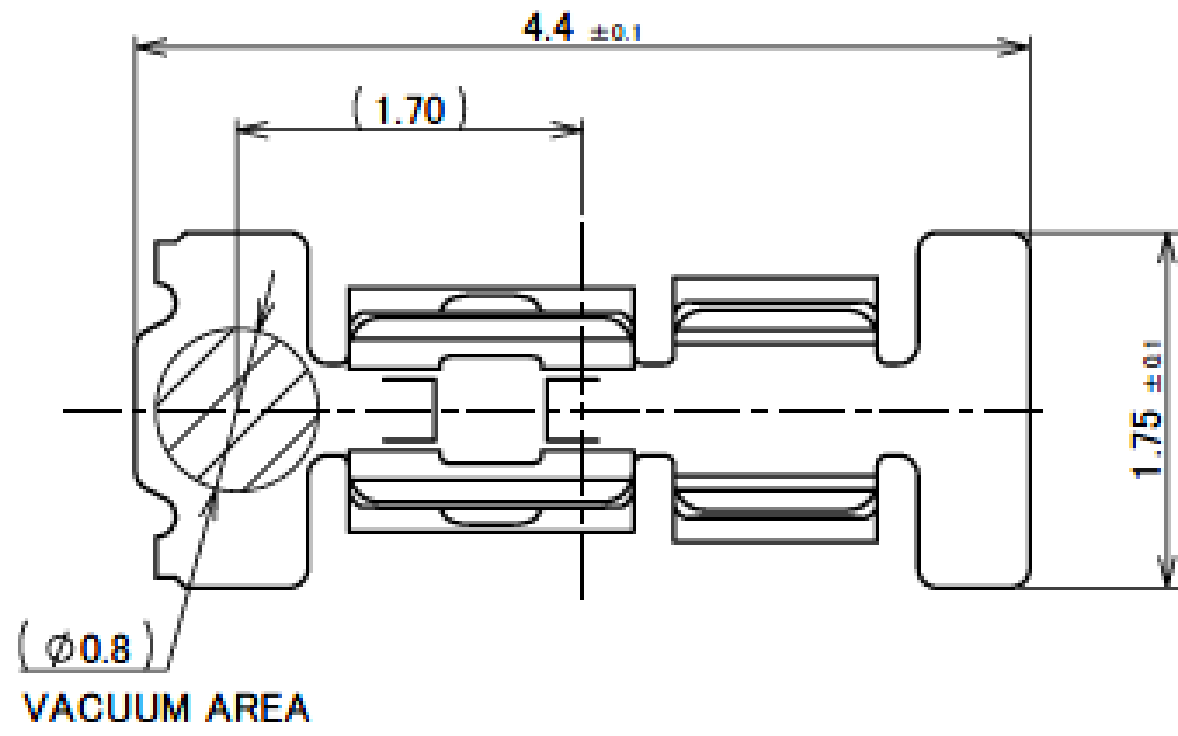
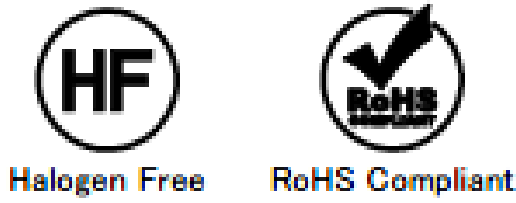
MP-A02

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	•CABLE CLAMP (3mm) FOR Φ1.13 COAXIAL CABLE (P/N: 2912-0302) •CABLE CLAMP (6mm) FOR Φ1.13 COAXIAL CABLE (P/N: 2912-0602) •CABLE JACKET (OUTSIDE DIAMETERΦ1.13 +0.08/-0.05) OF Φ1.13 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	

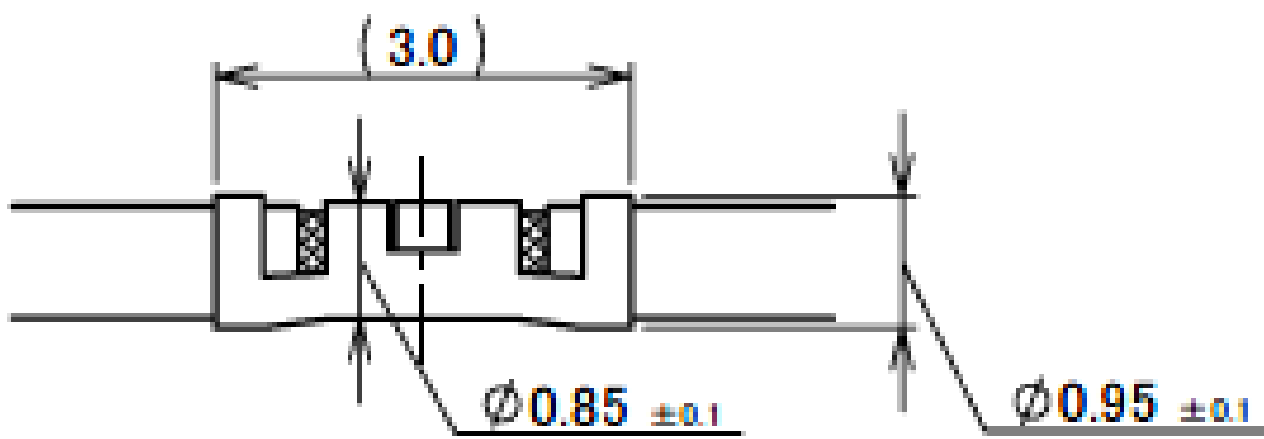


NOTE.
1. RECOMMENDED VACUUM NOZZLE SIZE: Φ0.5

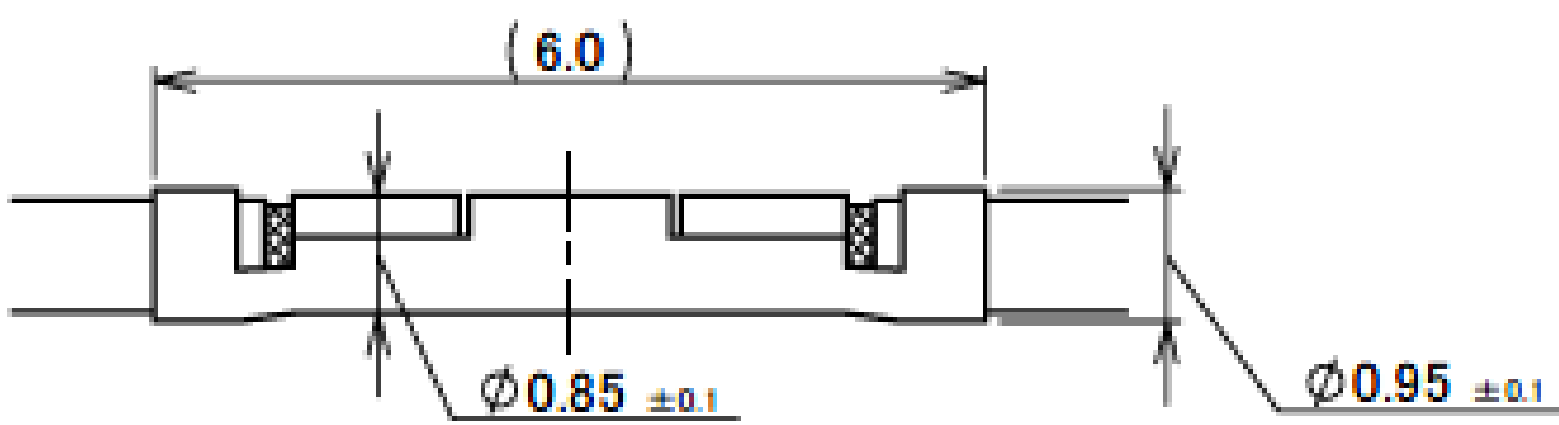
1	MP-A01	PHOSPHOR BRONZE	CONTACT PART Sn 1.50μm MIN. OVER Ni 1.00μm MIN. SOLDERING PART Sn 1.00μm MIN. OVER Ni 0.50μm MIN.
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.6

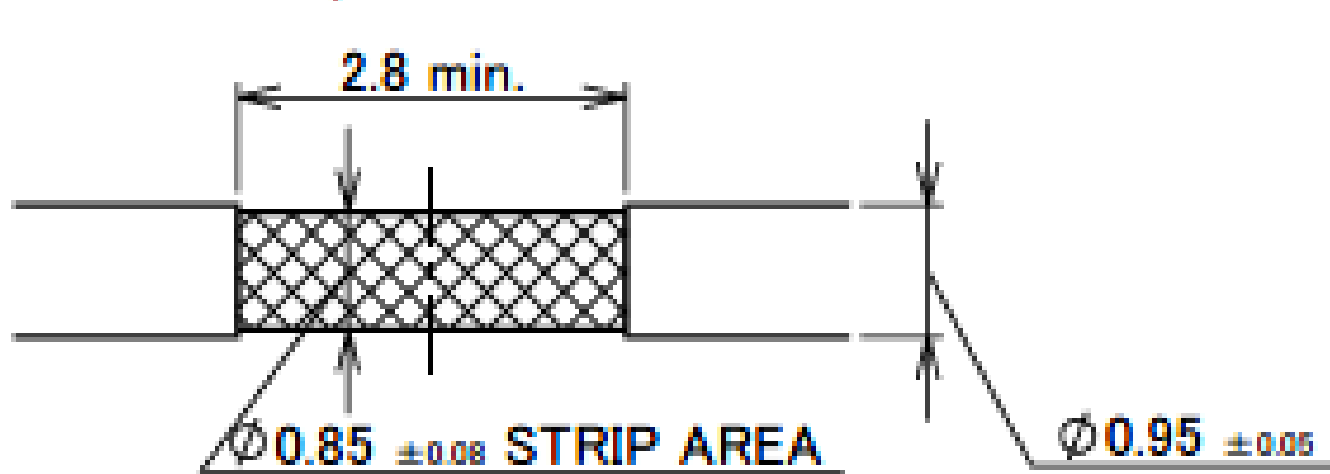
- ① Φ0.81 COAXIAL CABLE WITH 3mm CABLE CLAMP (PART NO. 2296-003)
*A-CONTACT: HOLD & CONTACT, B-CONTACT: DEFORMATION



- 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



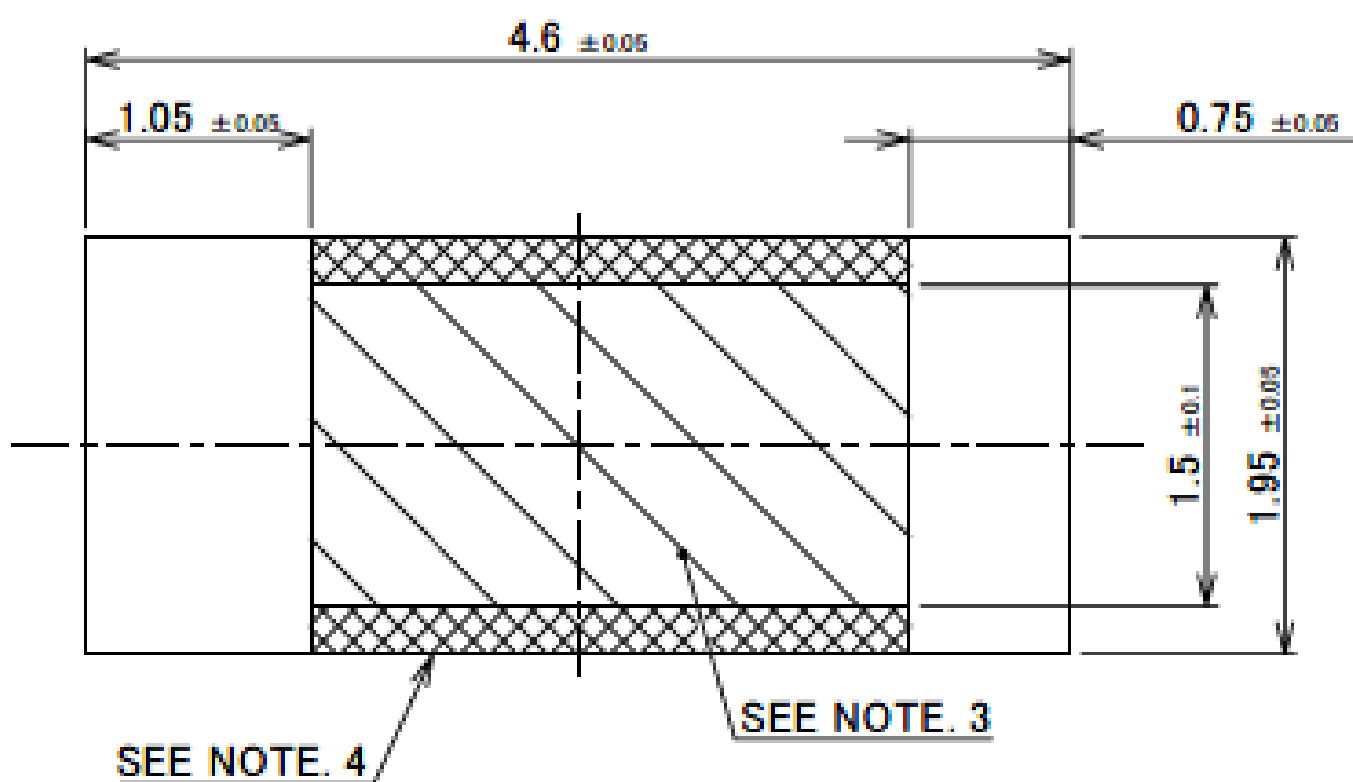
- ④ UNSTRIPPED Φ0.81 COAXIAL CABLE (OUTSIDE DIAMETER Φ0.81 ±0.05)
*A-CONTACT: HOLD, B-CONTACT: NOT HOLD

- ⑤ UNSTRIPPED Φ0.95 COAXIAL CABLE (OUTSIDE DIAMETER Φ0.95 ±0.05)
*B-CONTACT: HOLD, A-CONTACT: DEFORMATION

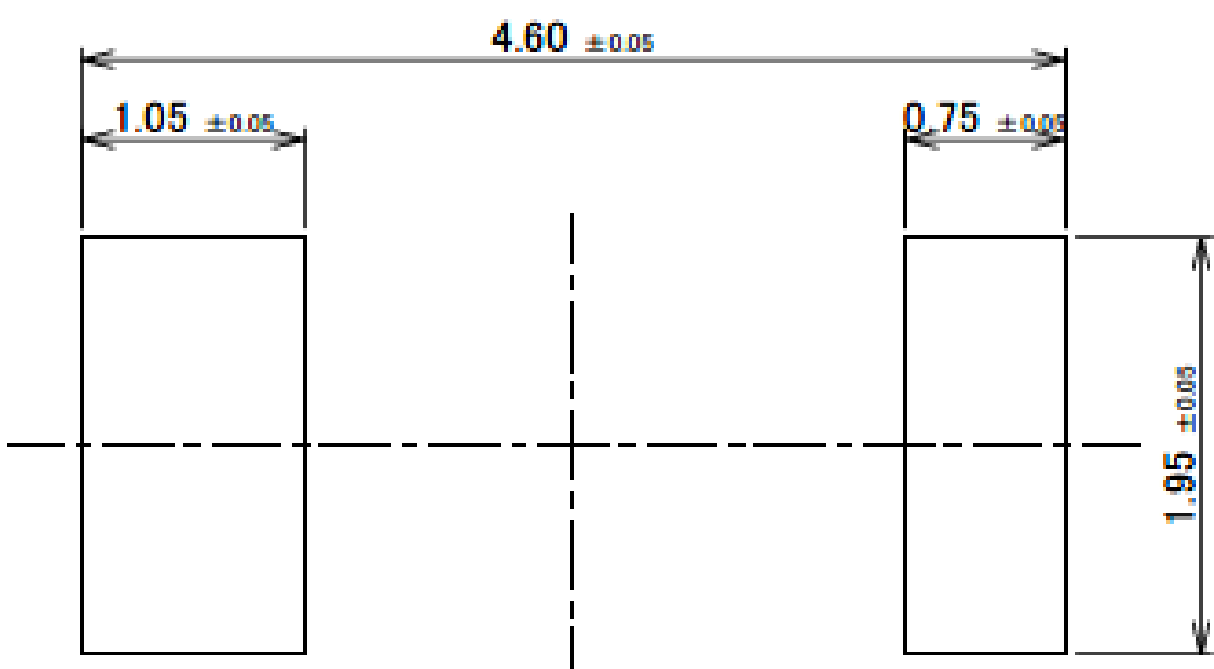
APPLICABLE CABLE

NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.6

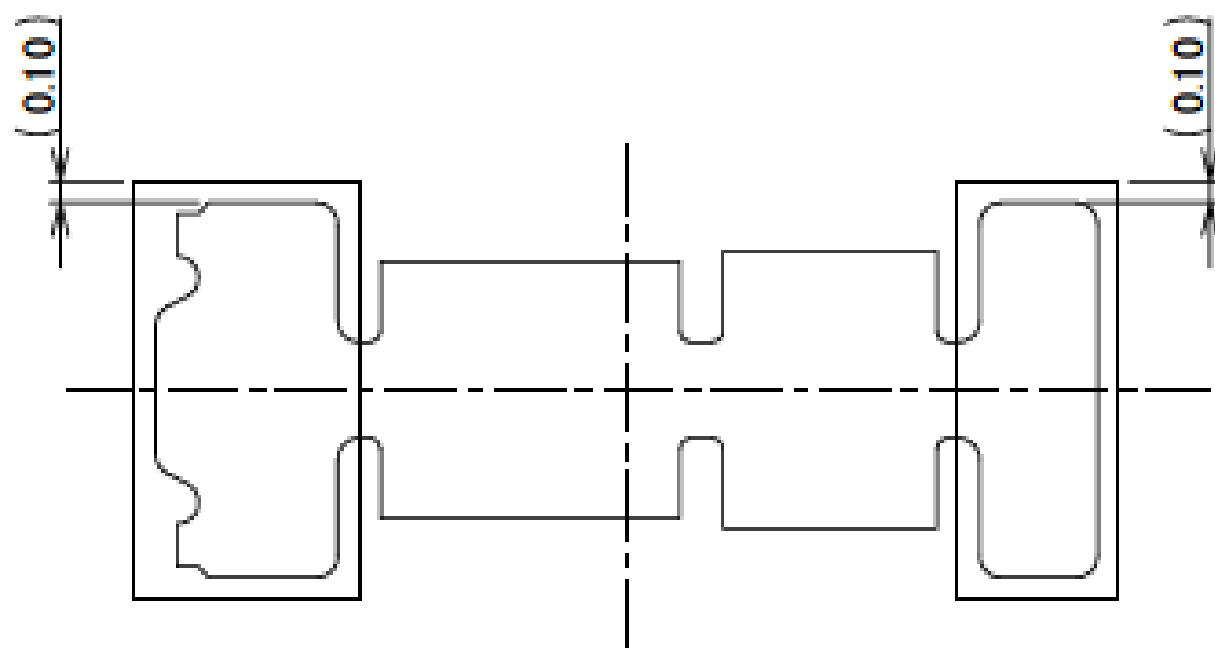


RECOMMENDED FOOTPRINT PATTERN

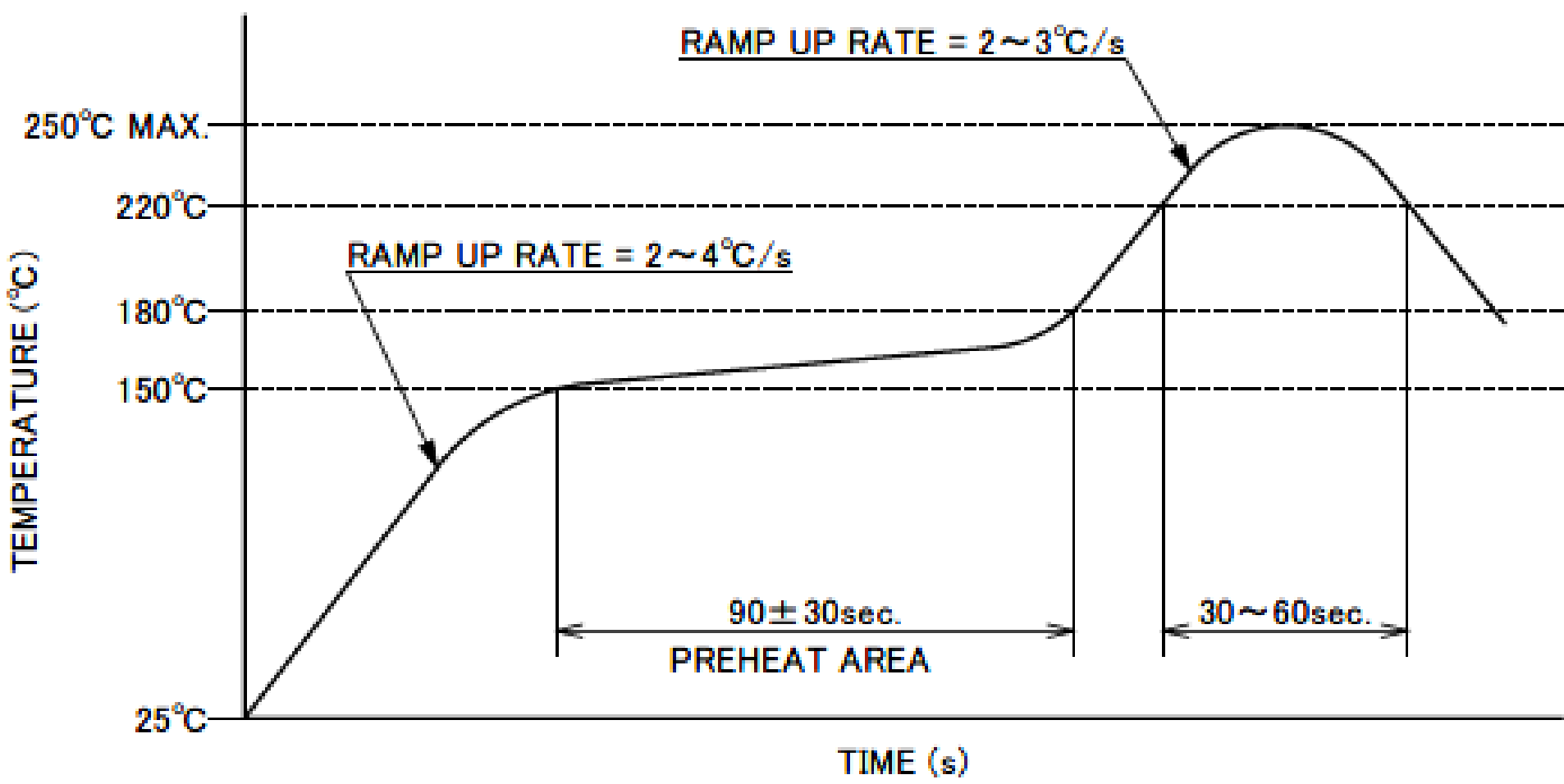


THICKNESS: 0.10mm

METAL MASK



CONNECTOR ON 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.6

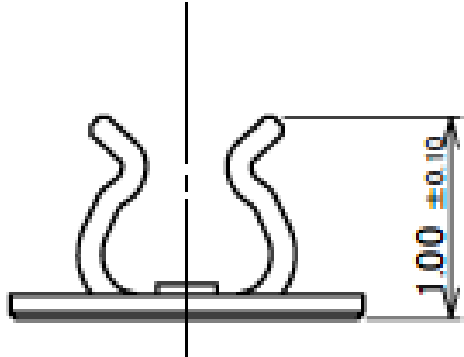
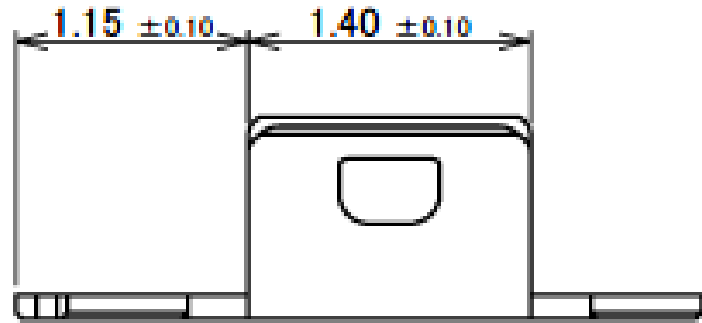
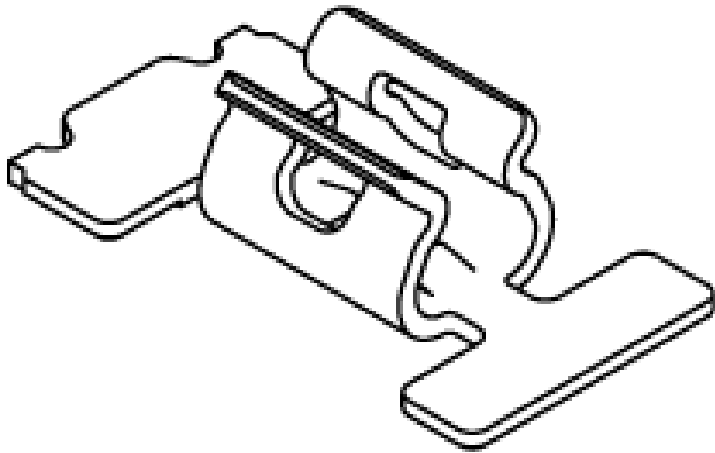
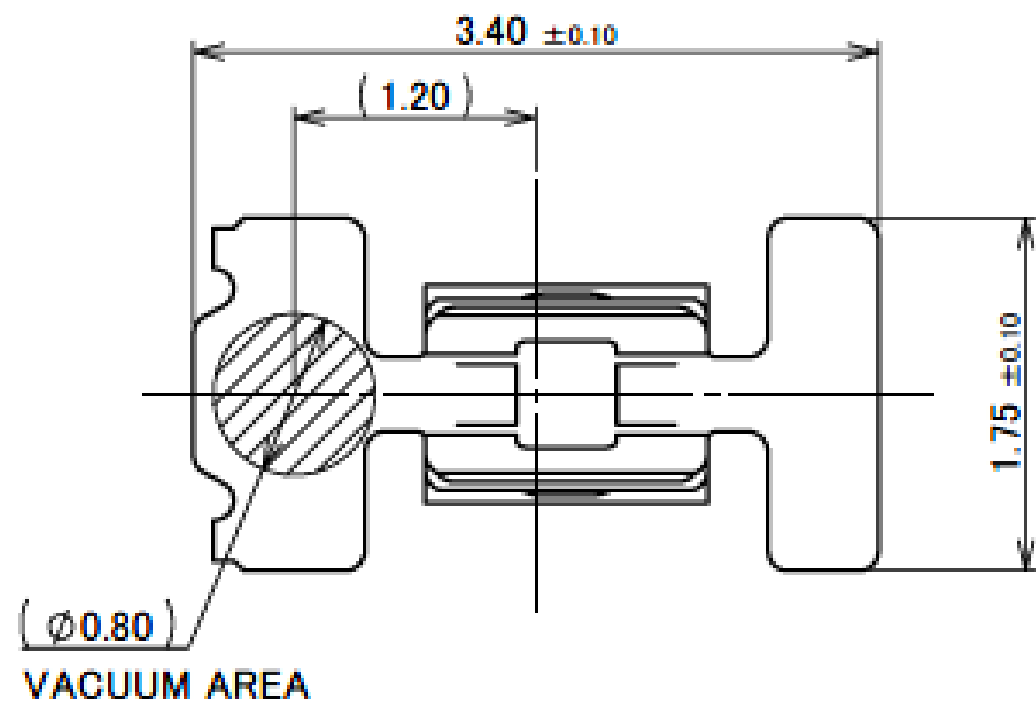
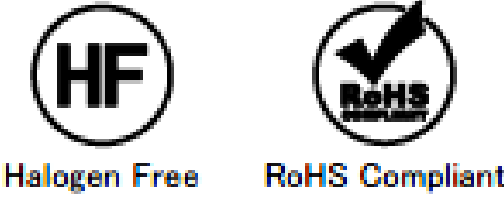
MP-A01

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 DIAMETER Φ0.81±0.05) OF Φ0.81 COAXIAL CABLE (*2) •CABLE JACKET (OUTSIDE DIAMETER Φ0.95±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	

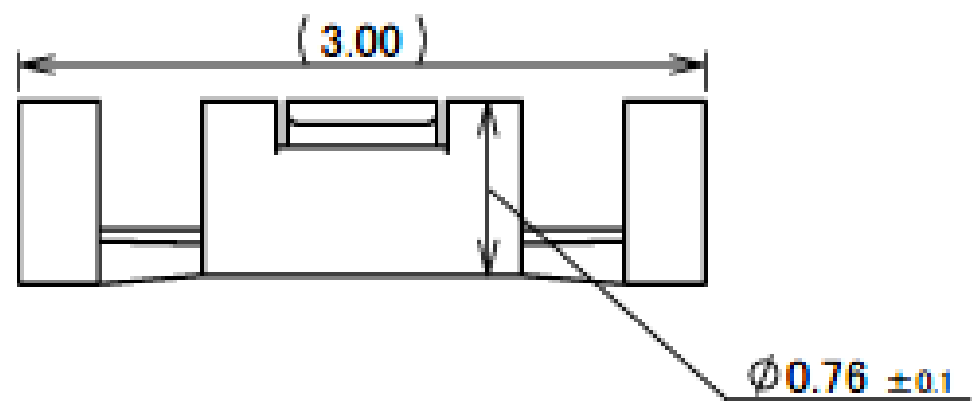


1	MP-A03	PHOSPHOR BRONZE	CONTACT PART Sn 2.00 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING PART Sn 1.00 μ m MIN.OVER Ni 0.50 μ m MIN.
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

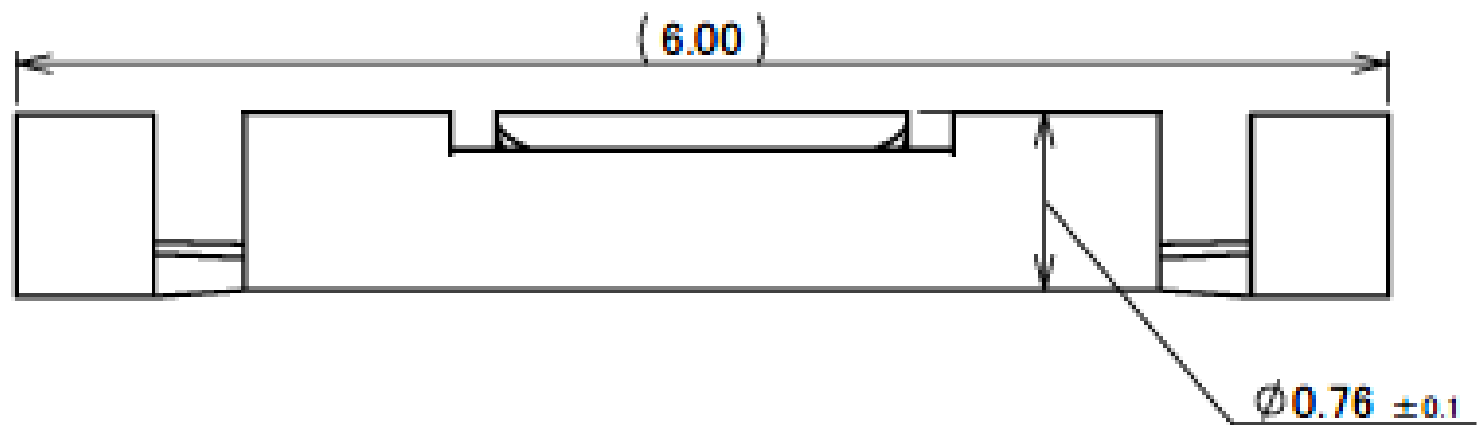
Rev.4

MP-A03

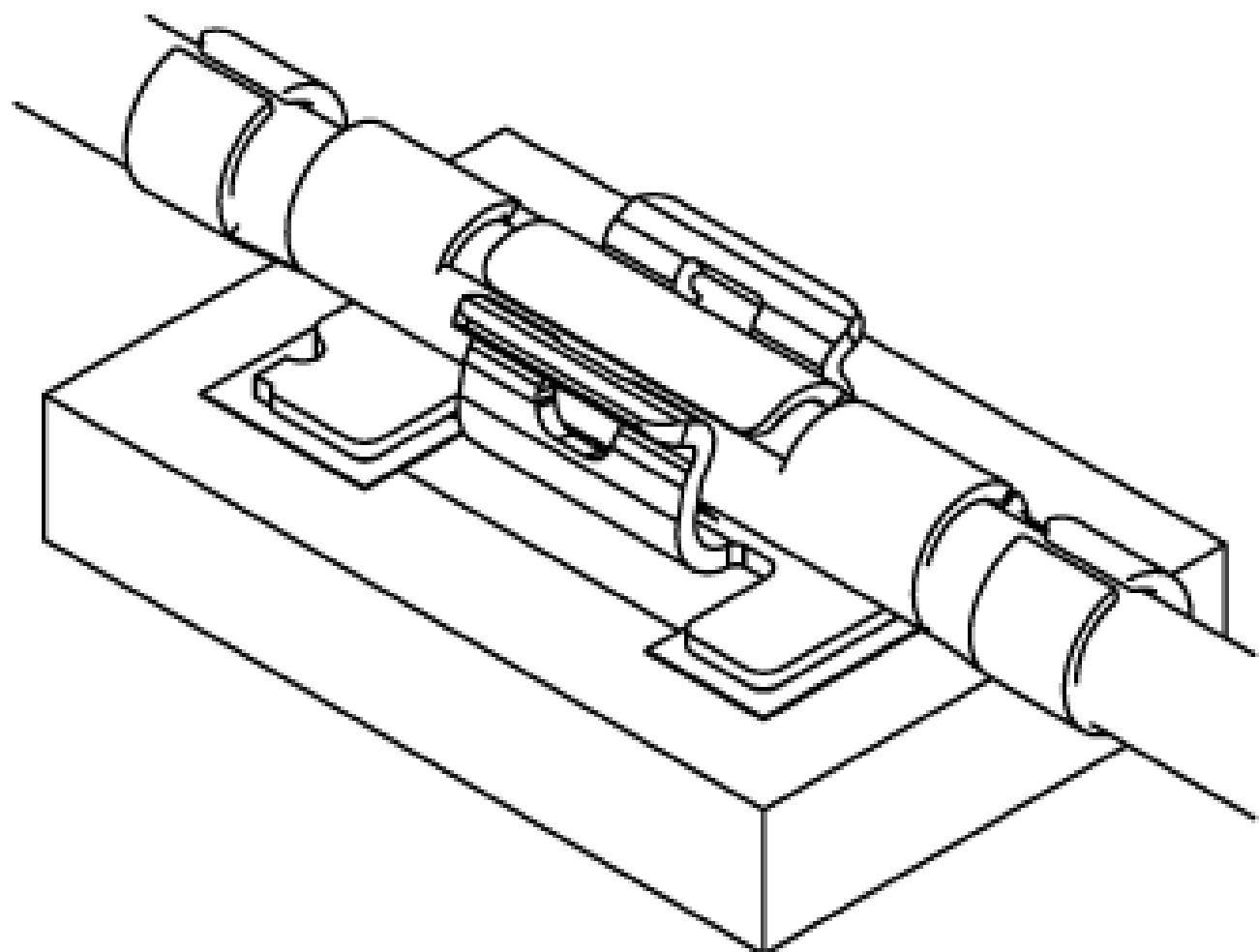
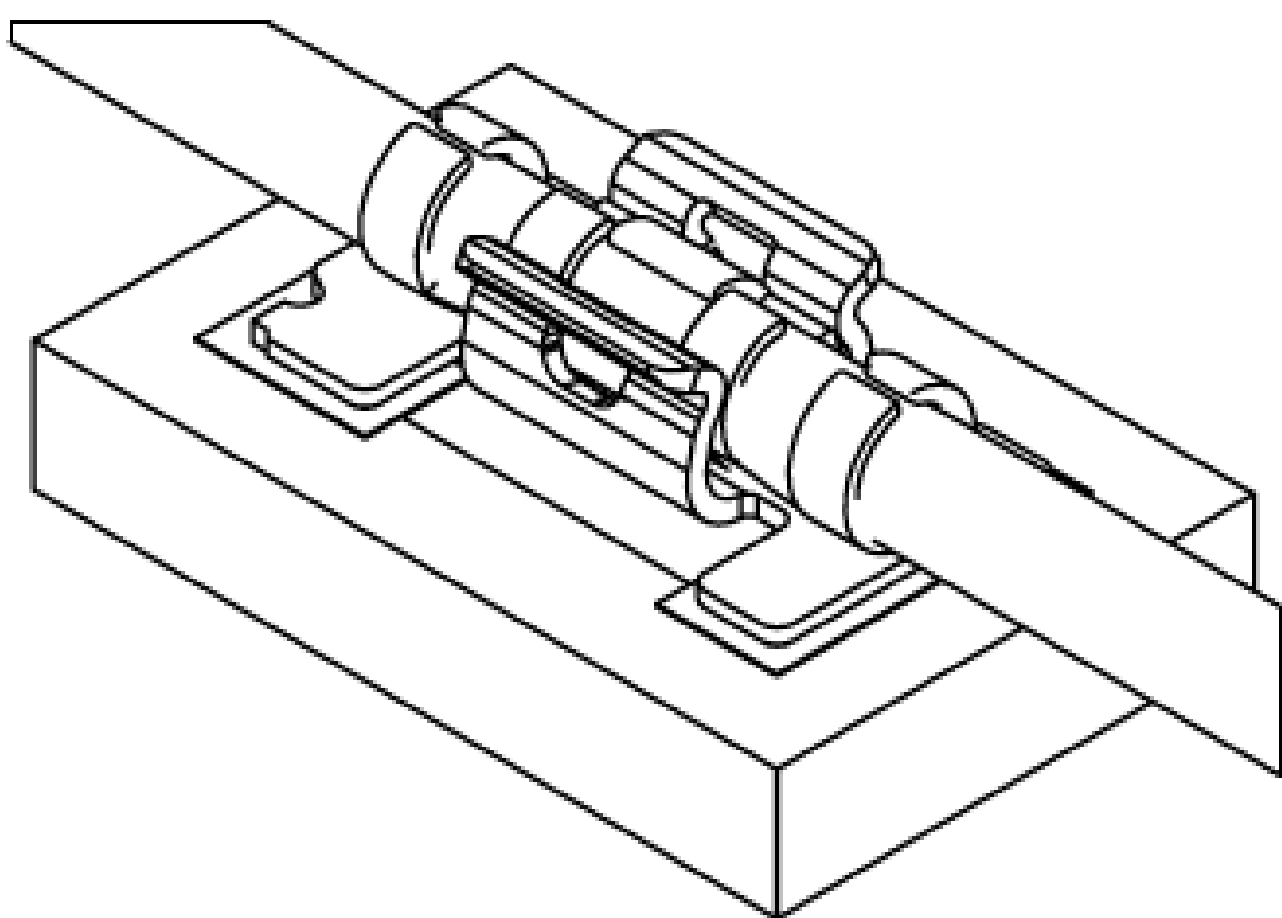
① Φ0.64 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2918-0302)



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



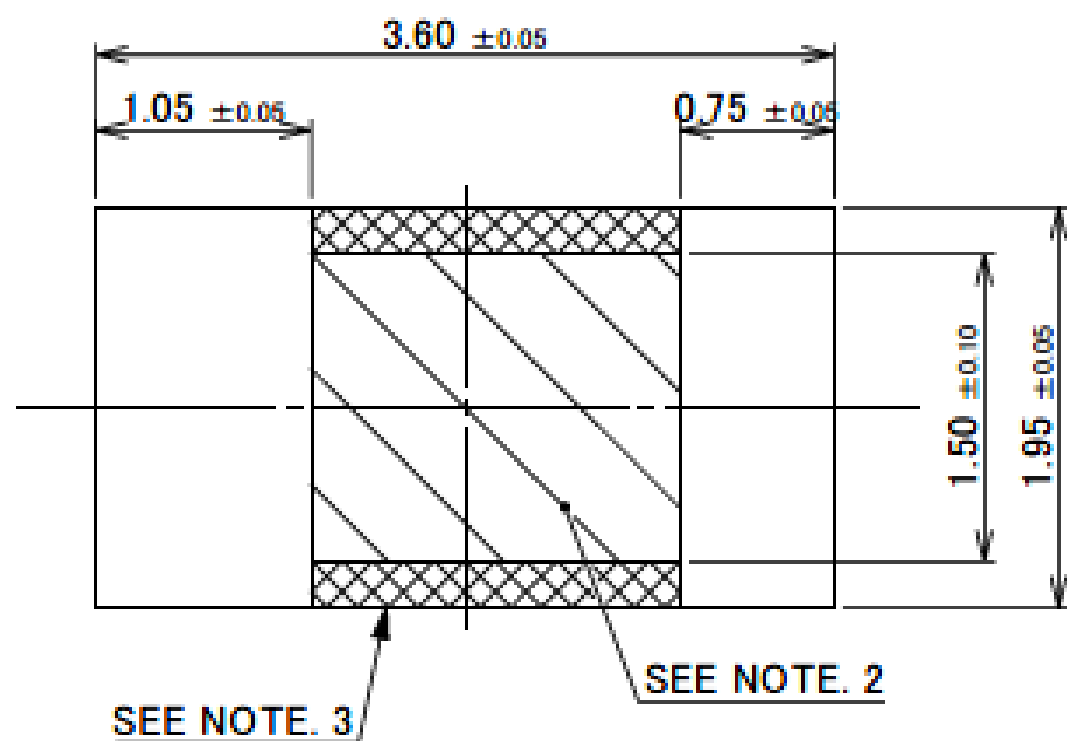
APPLICABLE CABLE



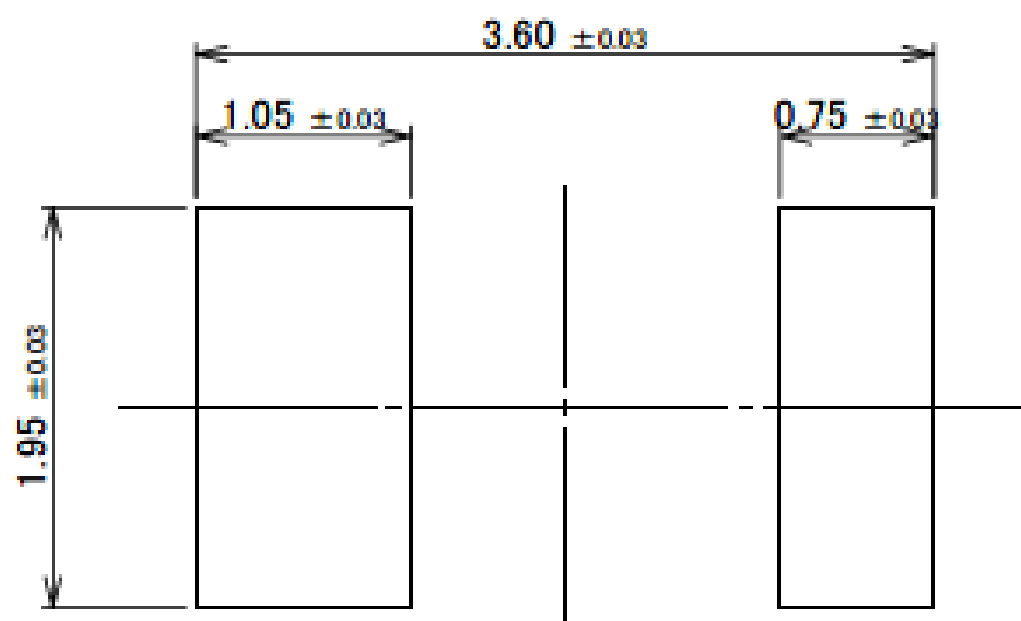
MATING CONDITION

NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.4

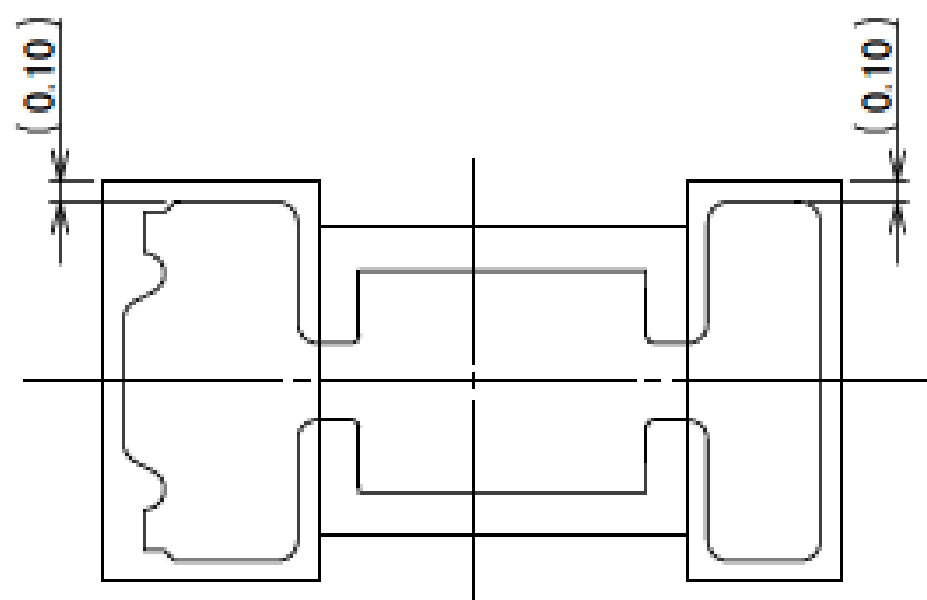


RECOMMENDED FOOTPRINT PATTERN

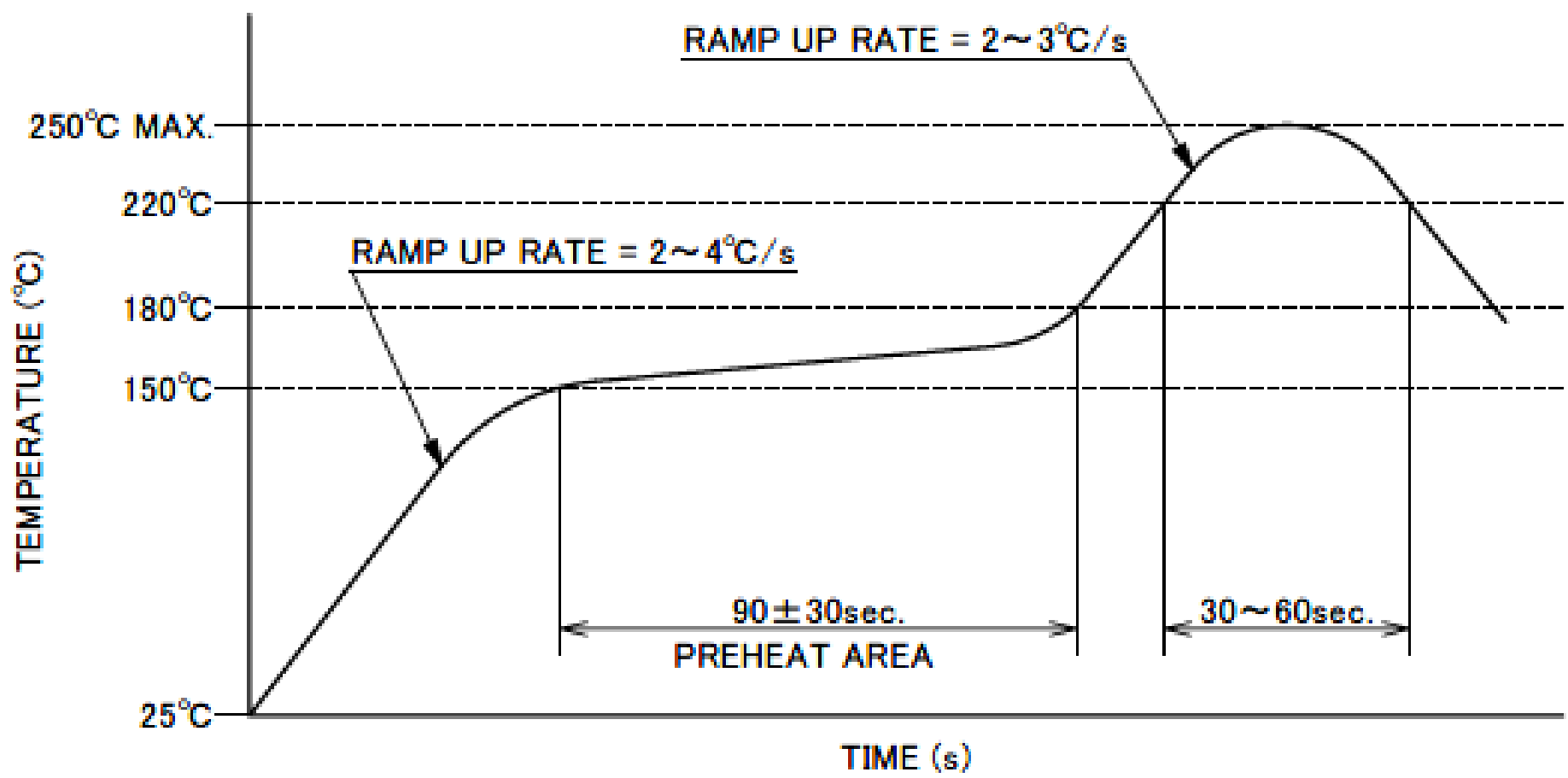


THICKNESS: 0.10mm

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 Φ 0.64 COAXIAL CABLE (P/N: 2918-0302) •CABLE CLAMP (6mm) FOR Φ 0.64 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

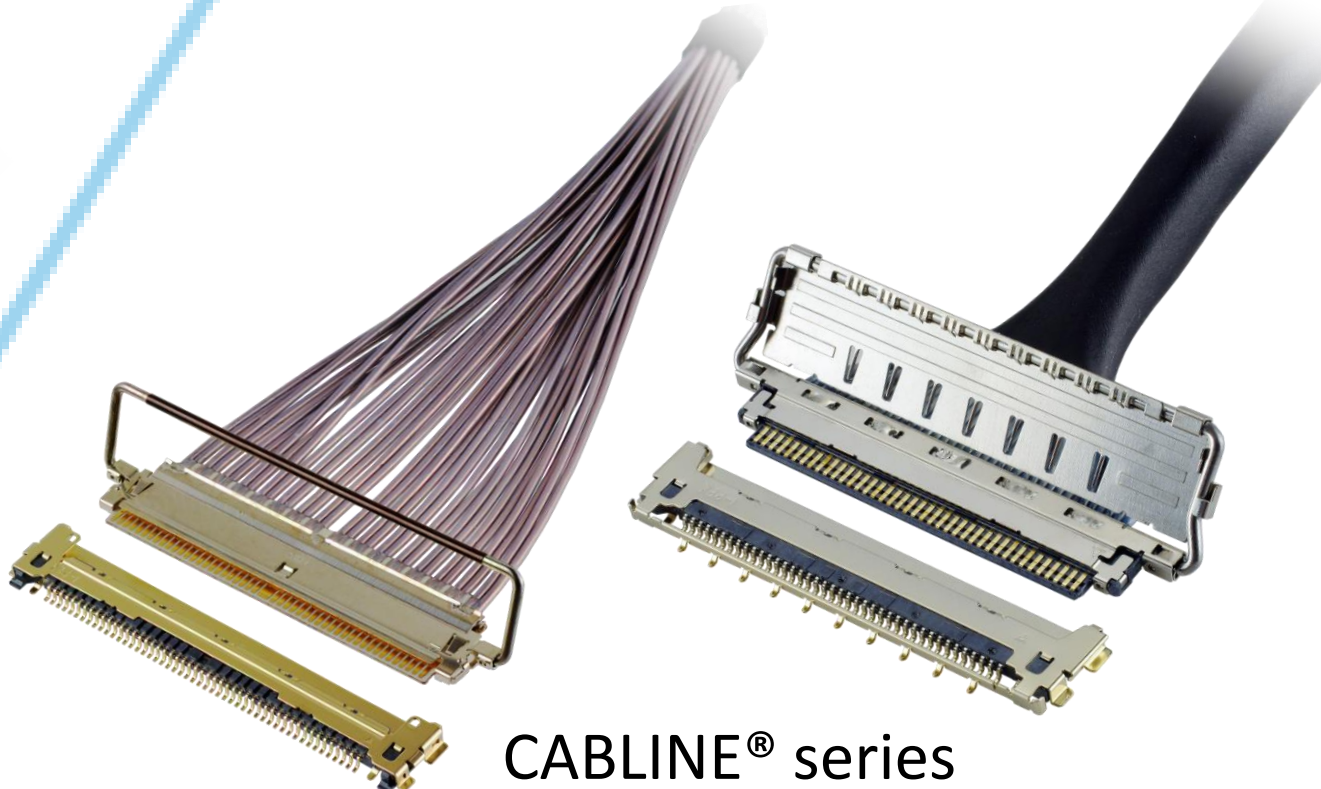
Custom Connectors Available

 RF
Connectors

MHF® series



CABLINE® series



Micro-coaxial/Twinax
Connectors

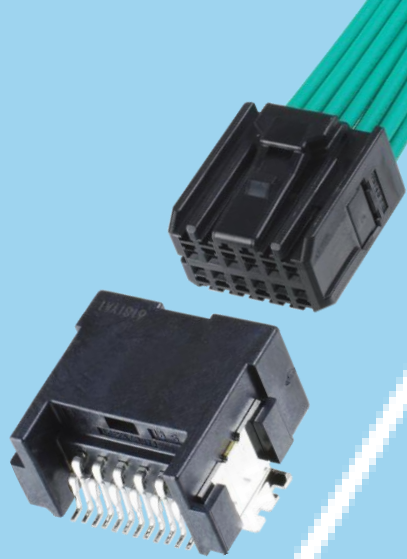


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



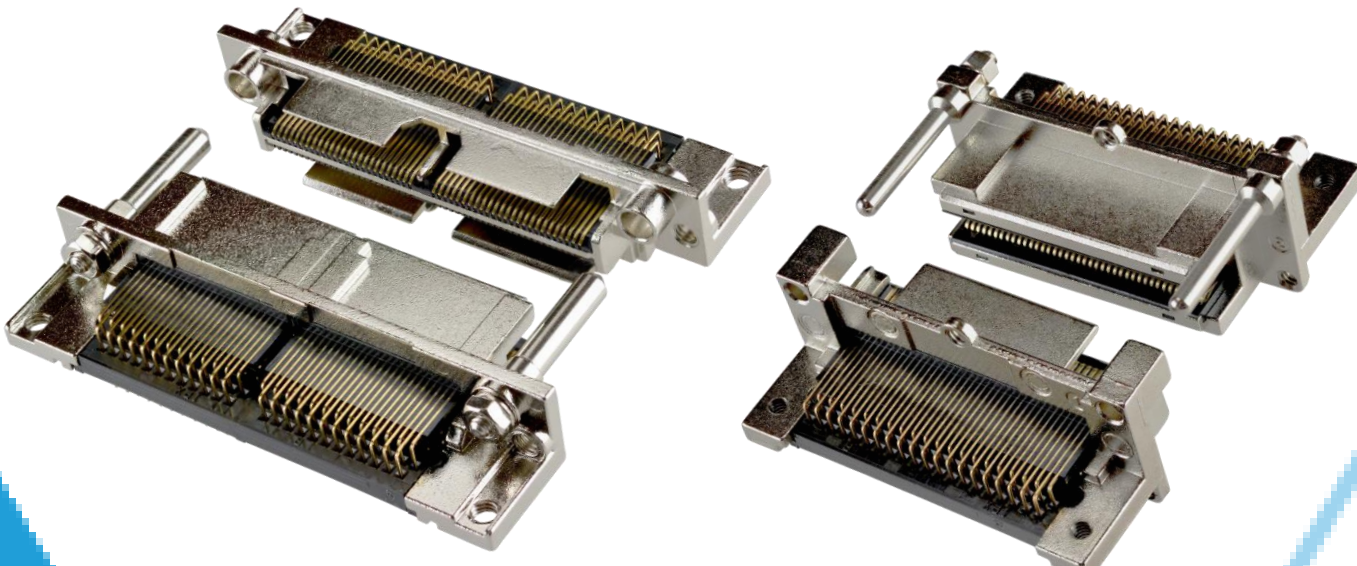
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC
Connectors



Inquiry



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