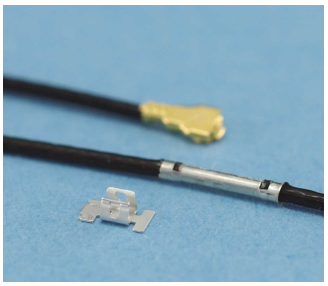
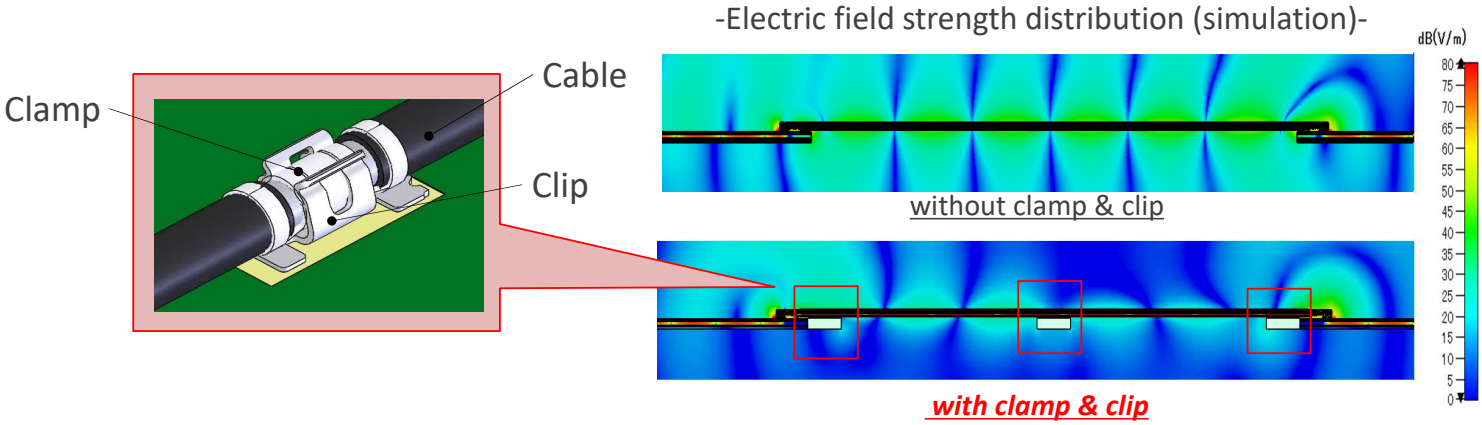
MP-A

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

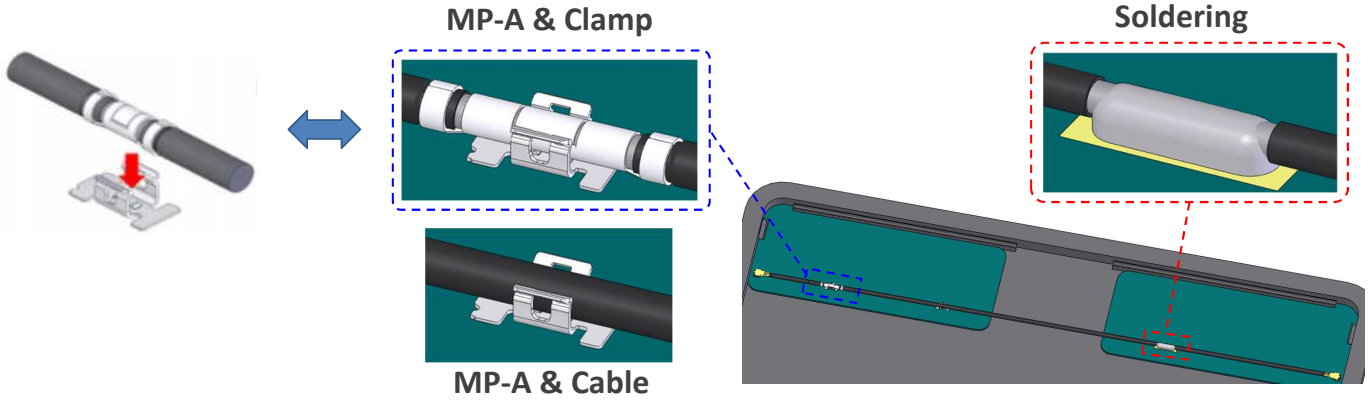


- ✓ Provides EMI improvements for dense RF applications
- ✓ Reduces tact time for assembly and rework
- ✓ Clamp sizes available in 3.0 mm and 6.0 mm versions depending on cable outer diameter

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				

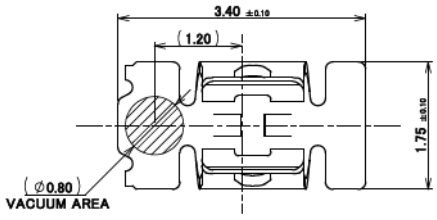
MP-A

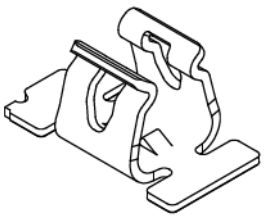
Component Parts Detail

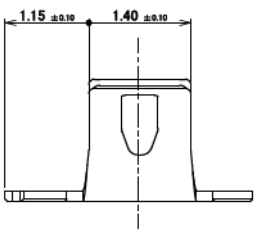
MP-A04

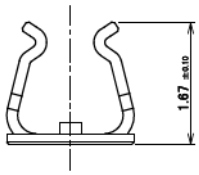
Recommended P/N	3224-0001

PART NO.
3224-0001





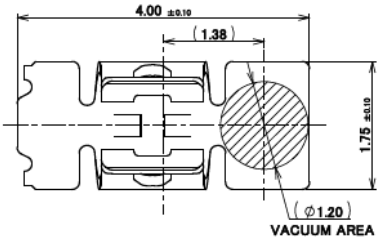


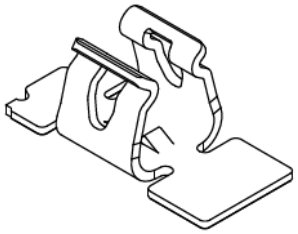


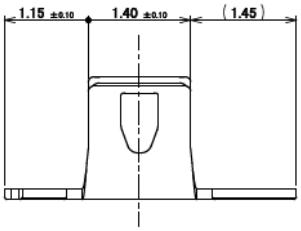
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
1	MP-A04	PHOSPHOR BRONZE	CONTACT PART Sn 2.00 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING PART Sn 1.00 μm MIN.OVER Ni 0.50 μm MIN.

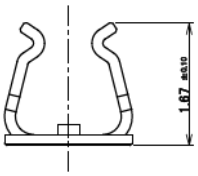
MP-A04

PART NO.
3224-0003









Rev.3

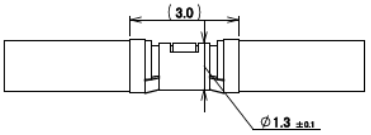
MP-A04

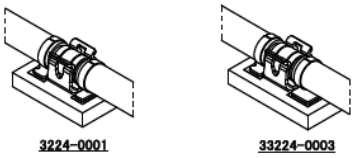
ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	•CABLE CLAMP (3mm) FOR Φ1.37 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 3223-030*) •CABLE CLAMP (6mm) FOR Φ1.37 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 3223-060*) •CABLE JACKET (OUTSIDE DIAMETER Φ1.37±0.08) OF Φ1.37 COAXIAL CABLE
OPERATING TEMPERATURE	233～358K(-40℃～+85℃)
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

Rev.3

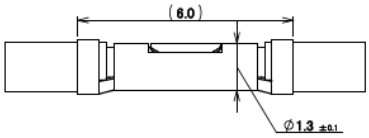
MP-A04

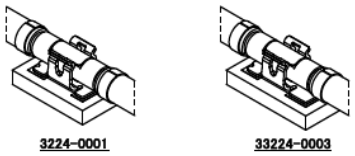
① ϕ1.37 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 3223-0302)



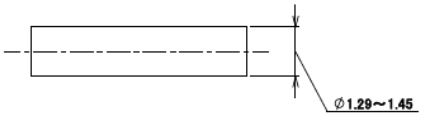


② ϕ1.37 COAXIAL CABLE WITH 6mm CABLE CLAMP (P/N : 3223-0602)

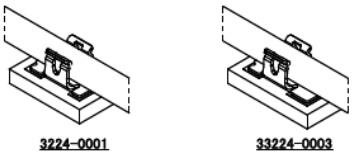




③ ϕ1.37 COAXIAL CABLE



APPLICABLE CABLE



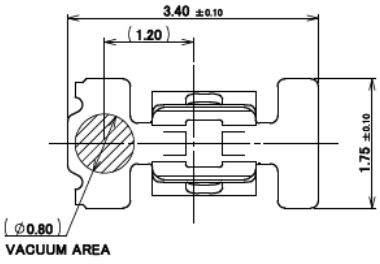
MATING CONDITION
(S = 6/1)

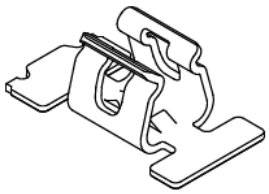
NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

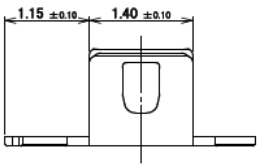
Rev.3

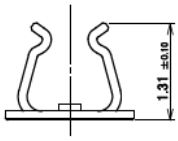
MP-A02

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









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

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

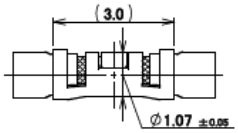
Rev.2

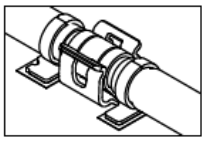
ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	・CABLE CLAMP (3mm) FOR Φ1.13 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 2912-030*) ・CABLE CLAMP (6mm) FOR Φ1.13 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 2912-060*) ・CABLE JACKET (OUTSIDE DIAMETERΦ1.13 +0.08/-0.05) OF Φ1.13 COAXIAL CABLE (*1) *1・・・RF-MF50161 (NISSEI 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

Rev.2

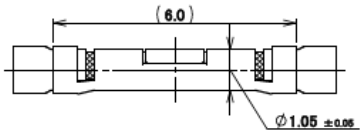
MP-A02

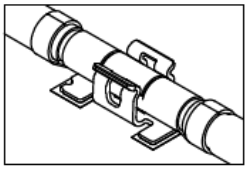
① Φ1.13 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2912-0302)



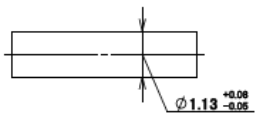


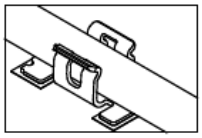
② Φ1.13 COAXIAL CABLE WITH 6mm CABLE CLAMP (P/N : 2912-0602)





③ Φ1.13 COAXIAL CABLE





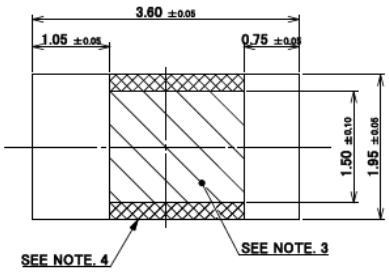
APPLICABLE CABLE

MATING CONDITION

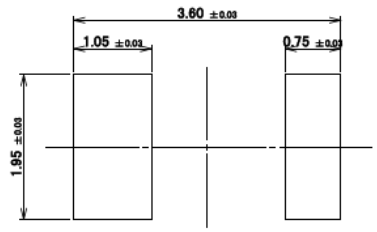
NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.2

MP-A02

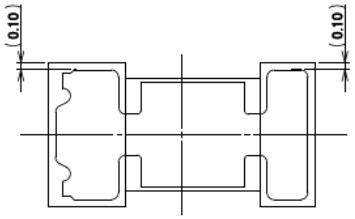


RECOMMENDED FOOTPRINT PATTERN

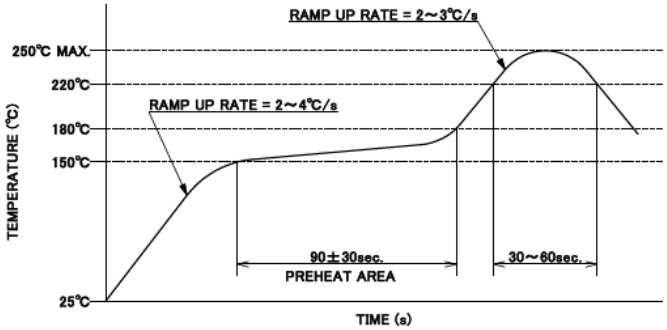


THICKNESS: 0.10mm

METAL MASK



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

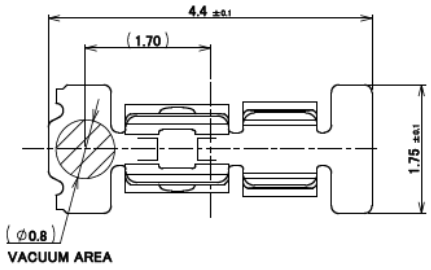
NOTES.
3. PATTERN AND RESIST PROHIBITION AREA.
4. THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

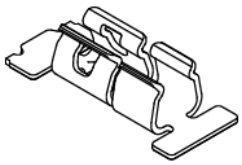
Rev.2

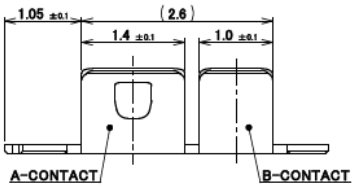
MP-A01

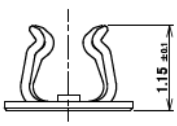
Recommended P/N	3096-0001

PART No.
3096-0001









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

NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
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.

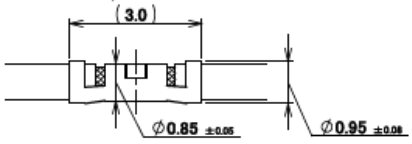
Rev.4

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	・CABLE CLAMP (3mm) FOR Φ0.81 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 2296-003) ・CABLE CLAMP (6mm) FOR Φ0.81 COAXIAL CABLE (DAI-ICHI SEIKO 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℃～+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

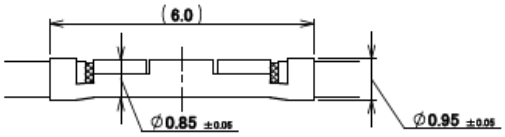
Rev.4

MP-A01

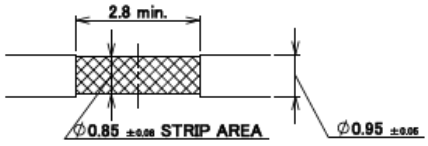
① Φ0.81 COAXIAL CABLE WITH 3mm CABLE CLAMP (PART NO. 2296-003)
*A-CONTACT: HOLD & CONTACT, B-CONTACT: DEFORMATION



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

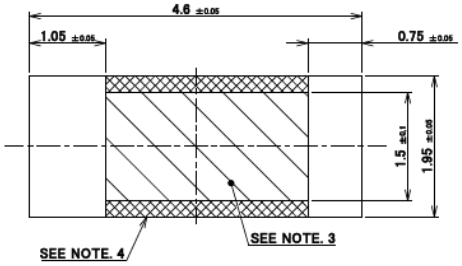
⑤ UNSTRIPPED Φ0.95 COAXIAL CABLE (OUTSIDE DIAMETER Φ0.95±0.05)
*B-CONTACT: HOLD, A-CONTACT: DEFORMATION

APPLICABLE CABLE

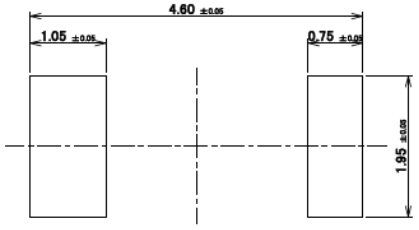
NOTE.
2. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.4

MP-A01

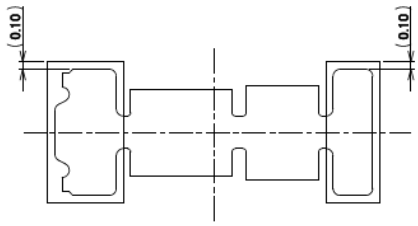


RECOMMENDED FOOTPRINT PATTERN

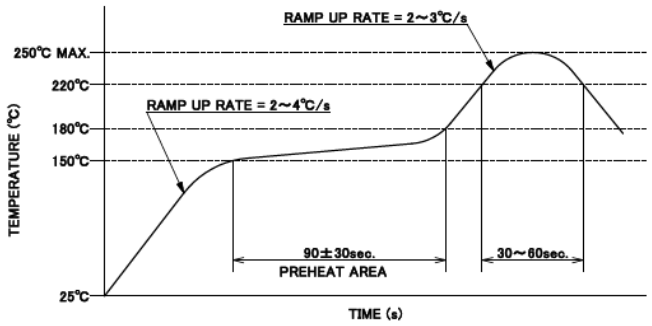


THICKNESS: 0.10mm

METAL MASK



CONNECTOR ON RECOMENDED FOOTPRINT PATTERN



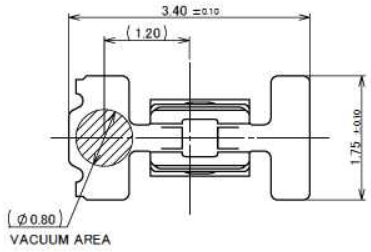
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

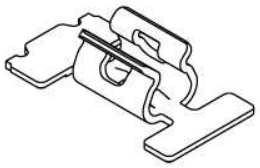
NOTES.
3. PATTERN AND RESIST PROHIBITION AREA.
4. THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

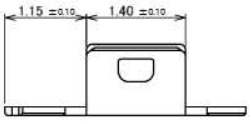
Rev.4

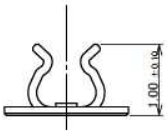
MP-A03

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









NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
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.

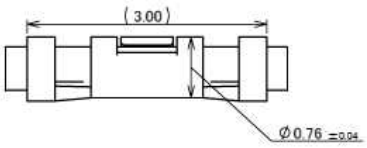
Rev.1

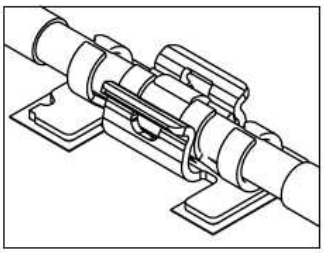
ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	•CABLE CLAMP (3mm) FOR Φ0.64 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 2918-030*) •CABLE CLAMP (6mm) FOR Φ0.64 COAXIAL CABLE (DAI-ICHI SEIKO P/N: 2918-060*)
OPERATING TEMPERATURE	233～358K(-40℃～+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	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

Rev.1

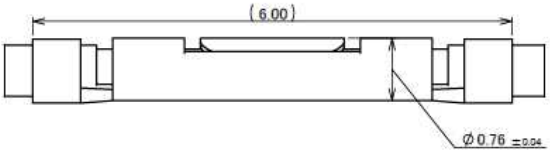
MP-A03

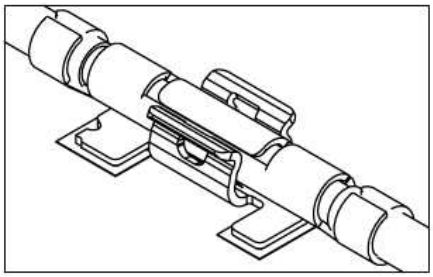
① Φ0.64 COAXIAL CABLE WITH 3mm CABLE CLAMP (P/N : 2918-0302)





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





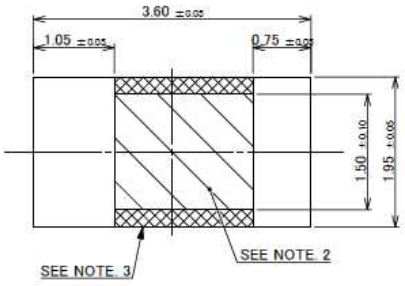
APPLICABLE CABLE

MATING CONDITION

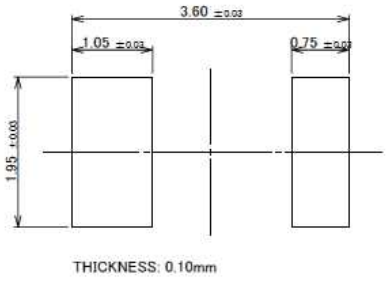
NOTE.
1. ONLY A SIMILAR CABLE IS REPLACEABLE.

Rev.1

MP-A03

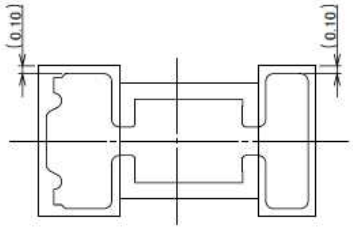


RECOMMENDED FOOTPRINT PATTERN

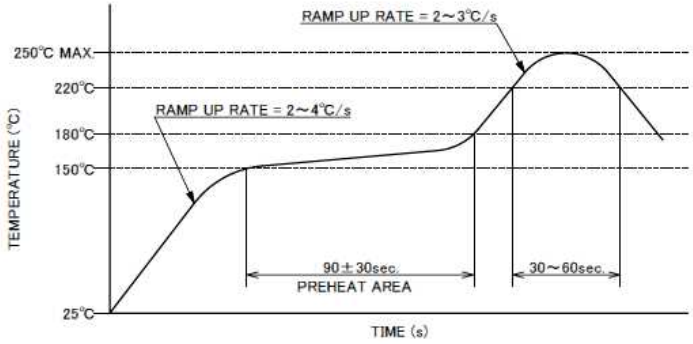


THICKNESS: 0.10mm

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. PATTERN AND RESIST PROHIBITION AREA.
3. THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

Rev.1