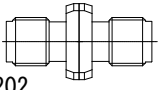


APPLICABLE STANDARD		MIL-STD-348B													
RATING	OPERATING TEMPERATURE RANGE	- 55° C TO + 105° C (95%RH MAX)		STORAGE TEMPERATURE RANGE	- 55° C TO + 50° C (95%RH MAX)										
	POWER	—W		CHARACTERISTIC IMPEDANCE	50 Ω ( 0 TO 40 GHz)										
	PECULIARITY	—		APPLICABLE CABLE	—										
SPECIFICATIONS															
ITEM		TEST METHOD		REQUIREMENTS	QT AT										
CONSTRUCTION															
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X										
MARKING		CONFIRMED VISUALLY.			— —										
ELECTRIC CHARACTERISTICS															
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT	4 mΩ MAX.	X	X										
		OUTER CONTACT	2 mΩ MAX.	X	X										
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.		X	X										
VOLTAGE PROOF	500 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.		X	X										
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.04 TO 40 GHz ① TEST METHOD IS Back to Back	VSWR 1.10 MAX. (0.04 to 18 GHz)		X	—										
		VSWR 1.15 MAX. (18 to 26.5 GHz)													
		VSWR 1.30 MAX. (26.5 to 40 GHz)													
INSERTION LOSS	FREQUENCY — TO — GHz	— dB MAX.		—	—										
MECHANICAL CHARACTERISTICS															
CONTACT INSERTION AND EXTRACTION FORCES	Φ0.9195 -0.0025 BY STEEL GAUGE.	INSERTION FORCE	— N MAX.	—	—										
		EXTRACTION FORCE	0.4 N MIN.	X	X										
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE	— N MAX.	—	—										
		EXTRACTION FORCE	— N MIN.	—	—										
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩ MAX. CHANGE OUTER CONTACT 4 mΩ MAX. CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—										
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s <sup>2</sup> AT 12 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—										
SHOCK	1960 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	—										
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT —N MAX.	1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		—	—										
ENVIRONMENTAL CHARACTERISTICS															
DAMP HEAT	EXPOSED AT -10 TO +65°C, 90 TO 98 % TOTAL 10 CYCLES ( 240h )	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—										
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → — → +105 → — °C TIME 30 → 3 → 30 → 3 min UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—										
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48h.	NO HEAVY CORROSION.		X	—										
<table border="1"> <tr> <td>COUNT</td> <td>DESCRIPTION OF REVISIONS</td> <td>DESIGNED</td> <td>CHECKED</td> <td>DATE</td> </tr> <tr> <td>△</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	△				
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE											
△															
REMARK			APPROVED	KY. SHIMIZU	15. 10. 22										
RoHS COMPLIANT			CHECKED	TO. KATAYAMA	15. 10. 22										
Note ① Measurement state of Back to Back.			DESIGNED	NK. OOSAWA	15. 10. 22										
Port1  Port2 Unless otherwise specified, refer to MIL-STD-202.			DRAWN	NK. OOSAWA	15. 10. 22										
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-366760-00-00										
HRS	SPECIFICATION SHEET		PART NO.		HK-R-SR2-1										
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL338-0003-0-00										
					△ 1/1										

1/4-36UNS-2A

9.55 ± 0.2

1.7 ± 0.2

10 ± 0.2  
7.16 ± 0.05

5.8 ± 0.2

2×0-80UNF-2B

A(10:1)

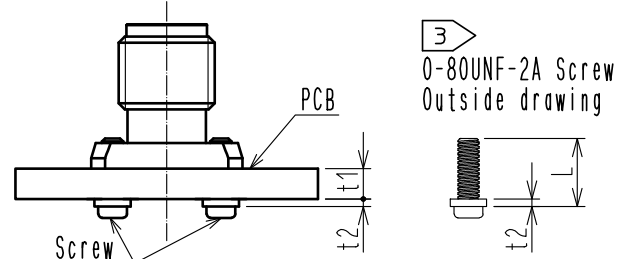
(0.05)

(0.1)

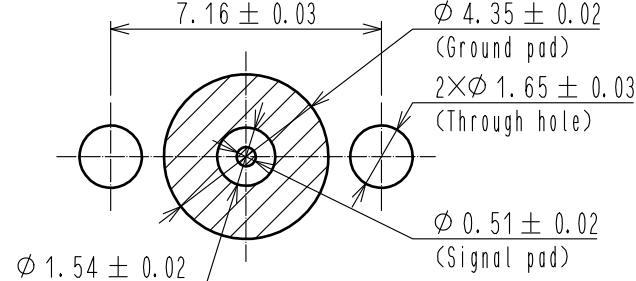
- 1 When mating the connector, please hold the fraise with spanner not to place stress on PCB by the torque.
- 2 0-80UNF-2B Screw tightening torque is 0.09N・m.
- 3 Please use a PCB mounting screw of the length of L(mm) the length of L(mm) is PCB thickness t1(mm) + spring washer thickness t2(mm) + 2(mm). Please use a screw with a spring washer.
- 4 Resist of inside of  $\phi 4.35 \pm 0.02$  (Ground pad) is prohibited.

RoHS COMPLIANT

Mounting drawing(2:1)



Recommended land pattern drawing



2	PTFE		4	BERYLLIUM COPPER	GOLD PLATING
1	STAINLESS STEEL	PASSIVATE	3	STAINLESS STEEL	GOLD PLATING
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 5 : 1	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED
HIROSE ELECTRIC CO., LTD.		APPROVED : KY. SHIMIZU	15.10.22	DRAWING NO.	EDC-366760-00-00
		CHECKED : TO. KATAYAMA	15.10.22	PART NO.	HK-R-SR2-1
		DESIGNED : NK. OOSAWA	15.10.22	CODE NO.	CL338-0003-0-00
		DRAWN : NK. OOSAWA	15.10.22		