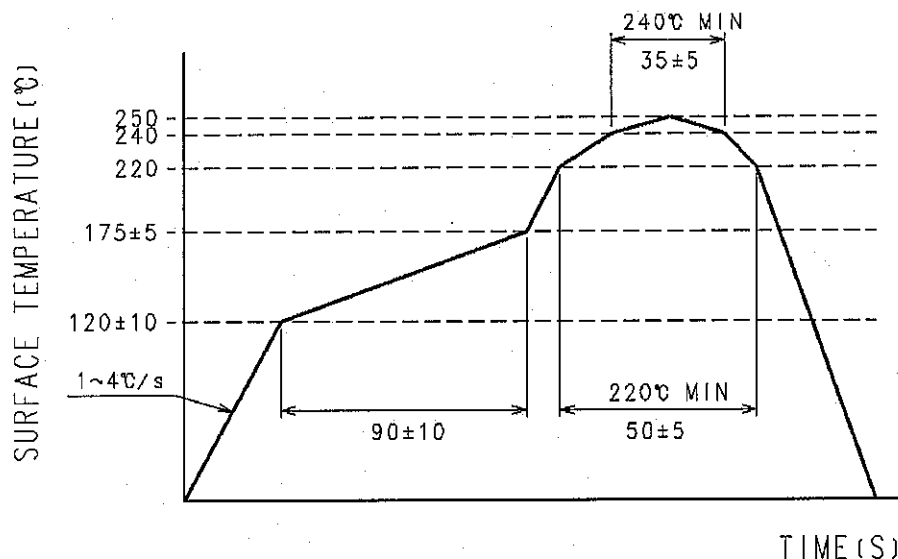


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICABLE STANDARD		EIAJ RC-5238							
RATING	OPERATING TEMPERATURE, HUMIDITY RANGE	-25°C TO +70°C (RELATIVE HUMIDITY 85% MAX)			STORAGE TEMPERATURE, HUMIDITY RANGE	-40°C TO +85°C (RELATIVE HUMIDITY 85% MAX)			
	WETHER-RESISTANT CATEGORY	40/085/04			VOLTAGE	AC,DC 30 V			
	CURRENT	NO.1,4,5,6,10	1 A		POWER	COAXIAL	2W		
		NO.2,3,7,8,9	0.5A						
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE	SIGNAL	10 mA (DC OR 1000 Hz).			50 mΩ MAX.			×	×
INSULATION RESISTANCE	COAXIAL							×	×
	SIGNAL	250±25 V DC FOR 60±5 sec.			1000 MΩ MIN.			×	×
VOLTAGE PROOF	COAXIAL	100±10 V DC FOR 60±5 sec.						×	×
	SIGNAL	300 V AC FOR 60±5 sec. (CURRENT LEAKAGE 2 mA)			NO FLASHOVER OR BREAKDOWN.			×	×
	COAXIAL	100 V AC FOR 60±5 sec. (CURRENT LEAKAGE 2 mA)						×	×
CAPACITANCE		MEASURE BETWEEN 2 ADJACENT CONTACTS BY 1000 ± 200 Hz OF VOLTS ALTERNATING CURRENT.			2 pF MAX			×	×
VSWR	COAXIAL	FREQUENCY 1.92 TO 2.17 GHz			1.5 MAX.			×	—
INSERTION LOSS	COAXIAL	FREQUENCY 1.92 TO 2.17 GHz			0.5 dB MAX.			×	—
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. (NOT INCLUDE LATCH)			INSERTION FORCE 25 N MAX. WITHDRAWAL FORCE 2.5 N MIN.			×	—
LATCH STRENGTH		PULL THE PLUG TO MATING AXIAL DIRECTION.			30 N MIN.			×	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS AT THE SPEED OF LESS THAN 500 TIMES PER HOUR.			① CONTACT RESISTANCE : UPRISE FROM INITIAL TO BE LESS THAN 25 mΩ. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS, TOTAL 6 h.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.						×	—
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>K. Nagamura</i>	<i>K. Nagamura</i>	<i>H. Miyazaki</i>	<i>Shigehiko</i>		
				06.05.18	06.05.18	06.05.19	06.05.19		
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. MQ/S198A -10P		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1/2	
CL		ELC4-125738			CL206-2523-4				

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90~95 %, 96 ± 4 h (FOR 4 DAYS).	① CONTACT RESISTANCE : UPRISE FROM INITIAL TO BE LESS THAN 25 mΩ.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE $-40 \rightarrow 25 \rightarrow 85 \rightarrow 25$ °C TIME $30 \rightarrow 2$ TO 3 $\rightarrow 30 \rightarrow 2$ TO 3 min UNDER 5 CYCLES.	② INSULATION RESISTANCE: 10 MΩ MIN.	×	—
DRY HEAT	EXPOSED AT $+85 \pm 2$ °C, 96 ± 4 h.	③ VOLTAGE PROOF: NO FLASHOVER OR BREAKDOWN.	×	—
COLD	EXPOSED AT -40 ± 3 °C, 96 ± 4 h.	④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN 5 ± 1 % SALT WATER, 35 ± 2 °C FOR 48 ± 4 h.	① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. ② NO HEAVY CORROSION INCLUDING DAMAGE OF CONNECTOR FUNCTION.	×	—
SOLDERBILITY	SOLERRING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 230 ± 5 °C, 5 ± 0.5 sec.	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER, 90% MIN.	×	—
RESISTANCE TO SOLDERING HEAT	MANUAL SOLDERING REFLOW TEMPERATURE : 350 ± 5 °C TIME : 5 ± 1 sec.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
	REFLOW TO THE RECOMMENDED REFLOW TEMPERATURE PROFILE IN FIG-1 FOR 2 TIMES.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—

FIG-1 RECOMMENDED REFLOW TEMPERATURE PROFILE



NOTE : THUS IT MAY BE CHANGE DEPENDING ON THE MOUNTING DEVICE, QUANTITY AND TYPE OF CREAM SOLDER.

REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.		<i>K. Nagamura</i>	<i>K. Nagamura</i>	<i>N. Miyazaki</i>	<i>[Signature]</i>	
		16.05.18	16.05.18	16.05.19	16.05.19	
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. MQ/S198A -10P		
CODE NO.(OLD) CL	DRAWING NO. ELC4-125738	CODE NO. CL206-2523-4		2/2		

MATED (2:1)

RECOMMEND PCB LAYOUT (CONNECTOR MOUNTING SURFACE)

NOTES

1. A CIRCUIT OF COAXIAL CONNECTOR IS AS PER BELOW.
- DISCONNECTED
PLUG CIRCUIT RECEPTACLE CIRCUIT CONNECTED
2. COAXIAL AND CONTACT COPLANARITIES ARE 0.1 MAX.
DIMENSION OF CONTACT LEAD POSITION IS -0.15 TO 0.
3. THIS PRODUCT CUTS OFF EMBOSING OF 32mm WIDTH BY QUANTITY.

4	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3μm MIN. SOLDERING PORTION : GOLD PLATING 0.03μm MIN.	8	STAINLESS STEEL	TIN PLATING 1μm MIN.
3	STAINLESS STEEL	TIN REFLOW PLATING 1μm MIN.	7	STAINLESS STEEL	
2	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3μm MIN. SOLDERING PORTION : GOLD PLATING 0.03μm MIN.	6	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3μm MIN. SOLDERING PORTION : GOLD PLATING 0.03μm MIN.
1	POLYAMIDE(9T)	(BLACK) UL94V-0	5	COPPER ALLOY	CONTACT PORTION : GOLD PLATING 0.3μm MIN. SOLDERING PORTION : GOLD PLATING 0.03μm MIN.
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
CODE NO. (OLD)			DRAWN	DESIGNED	CHECKED
			K. Nagamura	K. Nagamura	N. Miyazaki
			06.05.19	06.05.19	06.05.19
DRAWING NO.			PART NO.		
EDC3-125738			MQ/S198A-10P		
SCALE			CODE NO.		
4 : 1			CL206-2523-4		
UNITS					
mm					

