

△ Redrawing

Applicable standard					
Rating	Operating temperature range	-40 °C to +90 °C ( 90 %RH Max.)	Storage temperature range	-20 °C to +70 °C ( 90 %RH Max.)	
	Power	-- W	Characteristic impedance	50 Ω △ 2 ( 0 to 12 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.			--	--
ELECTRICAL CHARACTERISTICS					
Contact resistance △ 2	10 mA Max.(DC or 1000 Hz)		Center contact 20 mΩ Max.	X	--
			Outer contact 10 mΩ Max.	X	--
Insulation resistance	100 V DC.		500 MΩ Min.	X	--
Withstanding voltage	200 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X	△ X
Voltage standing wave ratio △ 2	Frequency 0 to 3 GHz.		VSWR 1.3 Max.	X	--
	Frequency 3 to 6 GHz.		VSWR 1.4 Max.		
	Frequency 6 to 9 GHz.		VSWR 1.5 Max.		
	Frequency 9 to 12 GHz.		VSWR 1.6 Max.		
Insertion loss	Frequency - to - GHz.		--- dB Max.	--	--
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces	φ --- by steel gauge.		Insertion force --- N Max.	--	--
			Extraction force --- N Min.	--	--
Insertion and extraction forces △ 2	Measured by applicable connector.		Insertion force 30 N Max.	X	--
			Extraction force 3 to 25 N	X	--
Mechanical operation	20 times insertion and extractions.		1)Contact resistance: Center contact 25 mΩ Max. Outer contact 15 mΩ Max.	X	--
Vibration	Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s <sup>2</sup> at 5 cycles for 3 directions.		1)No electrical discontinuity of 1 μs.	X	--
			2)No damage, crack and looseness of parts.		
Shock	735 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 6 directions.			X	--
Cable clamp strength (Against cable pull)	Using a pulling tester, pull the cable axially at a rate of -- mm/min. and record the strength at which the cable or connector breaks.		-- N Min.	X	--
ENVIRONMENTAL CHARACTERISTICS					
Damp heat	Exposed at +40 °C, 95 % total -- cycles.( 96 h)		1)Insulation resistance: 10 MΩ Min. (at high humidity) 2) Insulation resistance: 500 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	--
Rapid change of temperature	Temperature -40 → - → +90 → - °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 48 h.		VSWR 1.3 Max. (Frequency 0 to 3 GHz.) △ 2 1.4 Max. (Frequency 3 to 6 GHz.) 1.5 Max. (Frequency 6 to 9 GHz.) 1.6 Max. (Frequency 9 to 12 GHz.)	X	--
Count	Description of revisions		Designed	Checked	Date
△ 8	DIS-D-00001687		MT.KANEKO	NK.NINOMIYA	16.11.24
Remark RoHS COMPLIANT			Approved	KY.SHIMIZU	14.09.18
1. The quantity of this product is 500 connectors per reel.			Checked	MT.KANEKO	14.09.18
△ 2 The plug specification is applied in case the receptacle specification differs from the plug.			Designed	MS.MATSUMOTO	14.09.18
Unless otherwise specified, refer to IEC 60512.			Drawn	MS.MATSUMOTO	14.09.18
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC4-318791-02	
HRS	SPECIFICATION SHEET		Part No.	X.FL-R-SMT-1(02)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL331-0701-8-02	△ 1/1