



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 (0 to 30 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		10 mA Max.(DC or 1000 Hz)	Center contact 60 mΩ Max.	X	--
			Outer contact 20 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	--
② Voltage standing wave ratio		Frequency 0 to 15 GHz. Frequency 15 to 20 GHz. Frequency 20 to 30 GHz.	VSWR 1.4 Max. VSWR 1.5 Max. VSWR 1.6 Max.	X	--
Insertion loss		Frequency - to - GHz.	--- dB Max.	--	--
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces		φ --- with steel gauge.	Insertion force --- N Max.	--	--
			Extraction force --- N Min.	--	--
Insertion and extraction forces		Measured with an 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 65 mΩ Max. Outer contact 25 mΩ Max. 2)No damage, cracks or looseness of parts.	X	--
Vibration		Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s ² over 5 cycles in 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, cracks or looseness of parts.	X	--
Shock		735 m/s ² directions of pulse 11 ms at 3 times in 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.	--	--
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. (when dry) 3)No damage, cracks or looseness of parts.	X	--
Rapid change of temperature		Temperature -40 → - → +90 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.	No damage, cracks or looseness of parts.	X	--
Count	Description of revisions		Designed	Checked	Date
① 1	DIS-D-00004497		YJ.HAGA	NK.NINOMIYA	20191023
Remark 1. The quantity of this product is 20,000 connectors per reel. ② Measured with an applicable inspection adapter. Unless otherwise specified, refer to IEC 60512.			Approved	KH.IKEDA	20171125
			Checked	MH.TSUCHIDA	20171125
			Designed	YJ.HAGA	20171125
			Drawn	YJ.HAGA	20171125
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No. ELC-375224-90-00		
		SPECIFICATION SHEET		Part No. C.FL-R-SMT-1(90)	
HIROSE ELECTRIC CO., LTD.		Code No.		CL331-2200-0-90	① 1/1