

 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   (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  	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  	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	Measured by applicable connector.	Insertion force --- N Max.		--	--
		Extraction force --- N Min.		--	--
Mechanical operation	20 times insertion and extractions.	1)Contact resistance: Center contact 25 mΩ Max. Outer contact 15 mΩ Max. 2)No damage, crack and looseness of parts.		X	--
Vibration	Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s ² at 5 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.		X	--
Shock	735 m/s ² 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.)   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 8	Description of revisions DIS-D-00001709	Designed MT.KANEKO	Checked NK.NINOMIYA	Date 16.12.01
Remark  RoHS COMPLIANT			Approved	MH.YAMANE	09.09.16
1. The quantity of this product is 10000 connectors per reel.			Checked	NK.NINOMIYA	09.09.15
  The plug specification is applied in case the receptacle specification differs from the plug.			Designed	MT.KANEKO	09.09.15
Unless otherwise specified, refer to IEC 60512.			Drawn	MT.KANEKO	09.09.11
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC4-305250-81		
	SPECIFICATION SHEET		Part No.	W.FL2-R-SMT-1(80)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL331-0315-4-80	 1/1