

Applicable standard						
Rating	Operating temperature range	-40 °C to +90 °C ( 90 %RH Max.)	Storage temperature range	-40 °C to +90 °C ( 90 %RH Max.)		
	Power	-- W	Characteristic impedance	50 Ω( 0 to $\triangle$ 8GHz)		
	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		100 mA Max.(DC or 1000 Hz)		Center contact 14 mΩ Max.	X	X
				Outer contact 14 mΩ Max.	X	X
Insulation resistance		100 V DC.		500 MΩ Min.	X	X
Withstanding voltage		200 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X	X
Voltage standing wave ratio $\triangle$		Frequency 0 to 6 GHz.		VSWR 1.3 Max.	X	-
		Frequency 6 to 8 GHz.		VSWR 1.4 Max.		
Insertion loss		Frequency - to - GHz.		--- dB Max.	-	-
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces		$\phi$ 0.9017 $\begin{smallmatrix} 0 \\ -0.0025 \end{smallmatrix}$ by steel gauge.		Insertion force --- N Max.	-	-
				Extraction force 0.3 N Min.	X	X
Insertion and extraction forces		Measured by applicable connector.		Insertion force --- N Max.	-	-
				Extraction force --- N Min.	-	-
Mechanical operation		[HRM] 500 times insertion and extractions. [U.FL] 30 times insertion and extractions.		1)Contact resistance: Center contact 21 mΩ Max.Change Outer contact 21 mΩ Max.Change 2)No damage, crack and looseness of parts.	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. 2)No damage, crack and looseness of parts.	X	-
Shock		735 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 3 directions.				
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: 100 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 → 5-35 → +90 → 5-35 °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.		No heavy corrosion.	X	-
	Count	Description of revisions	Designed	Checked	Date	
$\triangle$	2	DIS-D-00004891	NK.NINOMIYA	TS.NOBE	20200428	
Remark			Approved	MH.YAMANE	20091216	
			Checked	TS.NOBE	20091216	
			Designed	HS.TAKEUCHI	20091216	
			Drawn	KS.TAKAHASHI	20091216	
Unless otherwise specified, refer to IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-310814-00-00		
<b>HRS</b>	SPECIFICATION SHEET		Part No.	HRMJ-U.FLJ-PC		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL311-0411-3-00	$\triangle$	1/1