





Applicable standard								
Rating	Operating temperature range	-40 °C to +90 °C (90 %RH Max.)		Storage temperature range	-20 °C to +60 °C (90 %RH Max.)			
	Power	-- W		Characteristic impedance	50 Ω(0 to 8 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 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		Frequency 0 to 6 GHz. 6 to 8 GHz.		VSWR	1.2 Max. 1.4 Max.	X -		
Insertion loss		Frequency - to - GHz.		--- dB Max.		- -		
MECHANICAL CHARACTERISTICS								
Contact insertion and extraction forces		(HRM side) φ 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 side) 500 times insertion and extractions. (U.FL side) 30 times insertion and extractions.		1)Contact resistance: Center contact 21 mΩ Max. Outer contact 21 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 3 cycles for 5 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 6 times for 3 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 +25 to +65 °C, 90 to 96 % total 10 cycles.(240 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	1.2 Max. (Frequency 0 to 6 GHz.) 1.4 Max. (Frequency 6 to 8 GHz.)	X -		
	Count	Description of revisions		Designed		Checked	Date	
	1	DIS-D-00004565		SR.AIHARA		KY.SHIMIZU	20191127	
Remark				Approved		TO.KATAYAMA		20190118
				Checked		KY.SHIMIZU		20190118
				Designed		SR.AIHARA		20190118
				Drawn		SR.AIHARA		20190118
Unless otherwise specified, refer to IEC 60512.								
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC-386023-00-00		
	SPECIFICATION SHEET			Part No.		HRMJ-U.FLJ-BPAD-5		
	HIROSE ELECTRIC CO., LTD.			Code No.		CL311-1004-0-00  1/1		