

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 Δ 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	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 Δ	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	After 3 times mating with oversized gauge: ϕ 0.9525 ^{+0.0025} ₀ and measure by use of following gauge. Insertion force gauge : ϕ 0.9398 ^{+0.0025} ₀ Extraction force gauge : ϕ 0.9017 ⁰ _{-0.0025}		Insertion force 8.9 N Max.	X	X
			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	500 times insertion and extractions.[HRM Side] 30 times insertion and extractions.[U.FL Side]		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 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 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 +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.		VSWR 1.3 Max.	X	-
	Count	Description of revisions	Designed	Checked	Date
Δ	2	DIS-D-00004891	NK.NINOMIYA	TS.NOBE	20200428
Remark			Approved	TO.KATAYAMA	20170529
			Checked	TO.KATAYAMA	20170529
			Designed	YI.FUNADA	20170529
Unless otherwise specified, refer to IEC 60512.			Drawn	YI.FUNADA	20170529
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-317236-00-00	
HRS	SPECIFICATION SHEET		Part No.	HRMJ-U.FLJ-PC-1	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL311-0432-3-00	Δ 1/1