

Applicable standard		MIL-STD-348B				
Rating	Operating temperature range	-55 °C to +105 °C (95 %RH Max.)		Storage temperature range	-55 °C to +50 °C (95 %RH Max.)	
	Power	-- W		Characteristic impedance	50 Ω(0 to 50 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.				X X
ELECTRICAL CHARACTERISTICS						
Contact resistance		100 mA Max.(DC or 1000 Hz)		Center contact 4 mΩ Max.	X	X
				Outer contact 2 mΩ Max.	X	X
Insulation resistance		100 V DC.		1000 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 50 GHz.		VSWR 1.3 Max.(0 to 40GHz)	X	—
				VSWR 1.4 Max.(40 to 50GHz)		
Insertion loss		Frequency - to - GHz.		--- dB Max.	—	—
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces		φ 0.495 ⁰ _{-0.005} by steel gauge.		Insertion force --- N Max.	—	—
				Extraction force 0.2 to 2 N.	X	—
Insertion and extraction forces		Measured by applicable connector.		Insertion force --- N Max.	—	—
				Extraction force --- N Min.	—	—
Mechanical operation		500 times insertion and extractions.		1)Contact resistance: Center contact 6 mΩ Max. Outer contact 4 mΩ Max.	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		980 m/s ² directions of pulse 6 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 10 mm/min. and record the strength at which the cable or connector breaks.		- N Min.	—	—
ENVIRONMENTAL CHARACTERISTICS						
Damp heat		Exposed at -10 to +65 °C, 90 to 98 % total 10 cycles.(240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	—
Rapid change of temperature		Temperature -55 → - → +105 → - °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.(0 to 40GHz) VSWR 1.4 Max.(40 to 50GHz)	X	—
	Count	Description of revisions	Designed	Checked	Date	
△						
Remark				Approved	KH.IKEDA	17.01.23
RoHS COMPLIANT				Checked	TS.NOBE	17.01.20
Note 1 This connector should be used for test port only.				Designed	TP.MATSUMOTO	17.01.20
Unless otherwise specified, refer to IEC 60512.				Drawn	TP.MATSUMOTO	17.01.20
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-368795-11-00		
HRS	SPECIFICATION SHEET		Part No.	H2.4-LR-SR2(11)		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-0603-0-11		△ 1/1