

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 40 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 40 GHz.		VSWR 1.3 Max.	X —
Insertion loss		Frequency - to - GHz.		--- dB Max.	— —
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces		φ 0.9195 ⁰ _{-0.0025} by steel gauge.		Insertion force --- N Max.	— —
				Extraction force 0.4 NMIN.	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		1960 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)	X —
	Count	Description of revisions	Designed	Checked	Date
	2	DIS-D-00001843	TP.MATSUMOTO	TS.NOBE	17.01.30
Remark			Approved	KY.SHIMIZU	16.11.09
RoHS COMPLIANT			Checked	KY.SHIMIZU	16.11.09
 Note 1 This connector should be used for test port only.			Designed	YI.FUNADA	16.11.08
Unless otherwise specified, refer to IEC 60512.			Drawn	YI.FUNADA	16.11.08
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-368891-12-00	
	SPECIFICATION SHEET		Part No.	HK-LR-SR2(12)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-0079-0-12	 1/1