

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. 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	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 2	Description of revisions DIS-D-00001843	Designed TP.MATSUMOTO	Checked TS.NOBE	Date 17.01.30
Remark RoHS COMPLIANT  Note 1 This connector should be used for test port only. Unless otherwise specified, refer to IEC 60512.			Approved	KY.SHIMIZU	16.04.07
			Checked	KY.SHIMIZU	16.04.07
			Designed	TP.MATSUMOTO	16.04.07
			Drawn	TP.MATSUMOTO	16.04.07
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-368891-00-00		
	SPECIFICATION SHEET		Part No.		HK-LR-SR2
	HIROSE ELECTRIC CO., LTD.		Code No.		CL338-0079-0-00  1/1