

Applicable standard		MIL-STD-348B					
Rating	Operating temperature range	-55 °C to +125 °C (95 %RH Max.)		Storage temperature range		-55 °C to +125 °C (95 %RH Max.)	
	Power	-- W		Characteristic impedance		50 Ω (0 to 30 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 (DC or 1000 Hz)		Center contact 6 mΩ Max.		X	X
				Outer contact 6 mΩ Max.		X	X
Insulation resistance		500 V DC.		1000 MΩ Min.		X	X
Withstanding voltage		500 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.		X	X
V.S.W.R. ①		Frequency	0 to 6 GHz.	V.S.W.R.	1.2 Max.	X	—
		Frequency	6 to 25 GHz.	V.S.W.R.	1.35 Max.	X	—
		Frequency	25 to 30 GHz.	V.S.W.R.	1.5 Max.	X	—
Insertion loss		Frequency	- to - GHz.	--- dB Max.		—	—
MECHANICAL CHARACTERISTICS							
Contact insertion and extraction forces		φ --- by steel gauge.		Insertion force --- N Max.		—	—
				Extraction force --- N Min.		—	—
Insertion and extraction forces ①		Measured by applicable connector. [SMPJ-HKJ]		Insertion force 45 N Max.		X	—
				Extraction force 9 N Min.		X	—
Mechanical operation ①		500 times insertion and extractions.		1)Contact resistance: Center contact 12 mΩ Max. Outer contact 12 mΩ Max. 2)No damage, crack and looseness of parts.		X	—
Vibration ①		Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s ² at 10 cycles for 3 directions.		1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.		X	—
Shock ①		490 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 ①		Exposed at +25 to +65 °C, 90 to 98 % total 10 cycles.(240h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance (at dry): 1000 MΩ Min. 3)No damage, crack and looseness of parts.		X	—
Rapid change of temperature ①		Temperature -55 → - → +125 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.		No damage, crack and looseness of parts.		X	—
Corrosion salt mist ①		Exposed in 5 % salt water spray for 48 h.		V.S.W.R.	1.2 Max. [0 to 6 GHz]	X	—
				V.S.W.R.	1.35 Max. [6 to 25 GHz]	X	—
				V.S.W.R.	1.5 Max. [25 to 30 GHz]	X	—
△	Count	Description of revisions		Designed		Checked	Date
Remark				Approved		TO.KATAYAMA	18.06.13
Note ① The characteristic after mounting on the board.				Checked		KY.SHIMIZU	18.06.12
				Designed		TM.YOSHIDA	18.06.12
				Drawn		TM.YOSHIDA	18.06.12
Unless otherwise specified, refer to IEC 60512.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.		ELC-375851-00-00			
HRS	SPECIFICATION SHEET		Part No.		SMP-LPR(LD)-SMT-1		
	HIROSE ELECTRIC CO., LTD.		Code No.		CL338-1107-0-00 △ 1/1		