

Applicable standard		MIL-STD-348B			
Rating	Operating temperature range	-55 °C to +125 °C ( 95 %RH Max.) △	Storage temperature range	-20 °C to +70 °C ( 90 %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. Outer contact 6 mΩ Max.	X   X 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 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. Extraction force 9 N Min.	X   X X   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 <sup>2</sup> 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 <sup>2</sup> 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. ( 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 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. 1.5 Max. [0 to 30 GHz]	X   —
△	Count	Description of revisions	Designed	Checked	Date
	1	DIS-D-00003210	TK.SAWAGUCHI	KY.SHIMIZU	18.06.07
Remark			Approved	TO.KATAYAMA	17.09.05
RoHS COMPLIANT			Checked	KY.SHIMIZU	17.09.05
Note ① The characteristic after mounting on the board.			Designed	TK.SAWAGUCHI	17.09.05
Unless otherwise specified, refer to IEC 60512.			Drawn	TK.SAWAGUCHI	17.09.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-373488-00-00	
HRS	SPECIFICATION SHEET		Part No.	SMP-PR(LD)-SMT-1	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1103-0-00	△   1/1