

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.	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. 		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 		Measured by applicable connector. [SMPJ-HKJ]		Insertion force 18 N Max.	X	X	
				Extraction force 2.2 N Min.	X	X	
Mechanical operation 		1000 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 		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 		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 		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 		Temperature -55 → - → +125 → - °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.		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  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-373489-00-00			
	SPECIFICATION SHEET		Part No.	SMP-PR(SB)-SMT-1			
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1104-0-00			
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