

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. 		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 65 N Max. Extraction force 16 N Min.	X X X X
Mechanical operation 		100 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	18.03.20
RoHS COMPLIANT			Checked	KY.SHIMIZU	18.03.20
Note The characteristic after mounting on the board.			Designed	TK.SAWAGUCHI	18.03.19
Unless otherwise specified, refer to IEC 60512.			Drawn	TK.SAWAGUCHI	18.03.19
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-373487-01-00		
	SPECIFICATION SHEET		Part No.	SMP-PR(FD)-SMT-1(01)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1102-0-01	1/1