




Applicable standard						
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 65 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 Max.(DC or 1000 Hz)		Center contact 16 mΩ Max.	X	X
				Outer contact 16 mΩ Max.	X	X
Insulation resistance		250 V DC.		500 MΩ Min.	X	X
Withstanding voltage		250 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X	X
Return loss		Frequency 0 to 40 GHz.		Return loss 15 dB Min.	X	X
		Frequency 40 to 65 GHz.		Return loss 10 dB Min.		
Insertion loss		Frequency - to - GHz.		--- dB Max.	—	—
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces		--- by steel gauge.		Insertion force --- N Max.	—	—
				Extraction force --- N Min.	—	—
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 28 mΩ Max. Outer contact 28 mΩ Max.	X	—
				2)No damage, crack and looseness of parts.		
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.	X	—
				2)No damage, crack and looseness of parts.		
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 -10 to +65 °C, 90 to 98 % total 10 cycles.(240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 500 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	—
Rapid change of temperature		Temperature -65 → - → +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.		Return loss 15 dB Min. (Frequency 0 ~ 40 GHz.) Return loss 10 dB Min. (Frequency 40 ~65 GHz.)	X	—
	Count	Description of revisions	Designed	Checked	Date	
Remark RoHS COMPLIANT			Approved	KY.SHIMIZU	16.02.09	
			Checked	TO.KATAYAMA	16.02.09	
			Designed	YI.FUNADA	16.02.09	
Unless otherwise specified, refer to IEC 60512.			Drawn	YI.FUNADA	16.02.09	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-313092-00-00		
			Part No.	SMPMP(SB)-HVP		
HIROSE ELECTRIC CO., LTD.			Code No.	CL311-0420-4-00		1/1