

Applicable standard		MIL-STD-348-B			
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 40 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 △2	100 mA (DC or 1000 Hz)		Center contact 12 mΩ Max.	X	X
			Outer contact 12 mΩ Max.	X	X
Insulation resistance	500 V DC.		1000 MΩ Min.	X	X
Withstanding voltage △2	500 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X	X
Voltage standing wave ratio	Frequency 0 to 15 GHz.		VSWR 1.2 Max.	X	X
	Frequency 15 to 22 GHz.		VSWR 1.3 Max.		
	Frequency 22 to 35 GHz.		VSWR 1.4 Max.		
	Frequency 35 to 40 GHz.		VSWR 1.65 Max.		
Insertion loss	Frequency - to - GHz.		--- dB Max.	—	—
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces	φ 0.35 <sup>0</sup> <sub>-0.005</sub> by steel gauge.		Insertion force --- N Max.	—	—
			Extraction force 0.2 N Min.	X	—
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 24 mΩ Max. Outer contact 24 mΩ Max.	X	—
Vibration	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.	X	—
	Shock 490 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 3 directions.		2)No damage, crack and looseness of parts.	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) △2		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. △2		No damage, crack and looseness of parts.	X	—
Corrosion salt mist	Exposed in 5 % salt water spray for 48 h.		VSWR 1.2 Max. : 0 to 15 GHz. VSWR 1.3 Max. : 15 to 22 GHz. VSWR 1.4 Max. : 22 to 35 GHz. VSWR 1.65 Max. : 35 to 40 GHz.	X	—
△	Count	Description of revisions	Designed	Checked	Date
	4	DIS-D-00003171	TK.SAWAGUCHI	KY.SHIMIZU	18.05.29
Remark RoHS COMPLIANT			Approved	KY.SHIMIZU	16.12.01
			Checked	KY.SHIMIZU	16.12.01
			Designed	TK.SAWAGUCHI	16.12.01
			Drawn	TK.SAWAGUCHI	16.12.01
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-373492-00-00	
HRS	SPECIFICATION SHEET		Part No.	SMP-A-JJ-645	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1106-0-00	△ 1/1