

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 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.			X	X
ELECTRICAL CHARACTERISTICS						
Contact resistance	100 mA Max.(DC or 1000 Hz)	Center contact	8 mΩ Max.	X	X	
		Outer contact	4 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	
Voltage standing wave ratio	Frequency 0 to 18 GHz.	VSWR 1.1 Max.		X	X	
	Frequency 18 to 26.5 GHz	VSWR 1.15 Max.				
	Frequency 26.5 to 40 GHz.	VSWR 1.2 Max.				
Insertion loss	Frequency 0 to 40 GHz.	0.03+0.03√f dB Max. $\triangle 3$		X	X	
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces	ϕ 0.91 $^{+0.005}_0$ by steel gauge.	Insertion force	--- N Max.	—	—	
		Extraction force	0.5 to 4.9 N	X	X	
Insertion and extraction forces	Measured by applicable connector.	Insertion force	--- N Max.	—	—	
		Extraction force	--- N Min.	—	—	
Mechanical operation	1000 times insertion and extractions.	1)Contact resistance: Center contact 12 mΩ Max. Outer contact 8 mΩ Max. 2)No damage, crack and looseness of parts.		X	—	
Vibration	Frequency 10 to 2000 Hz single amplitude 0.75 mm, 196 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	1960 m/s ² directions of pulse 6 ms at 3 times for 6 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. $\triangle 3$ (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 -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.	1.1 Max. (Frequency 0 ~ 18 GHz.) VSWR 1.15 Max.(Frequency18~26.5 GHz.) 1.2 Max. (Frequency 26.5~40 GHz.)		X	—	
Count	Description of revisions		Designed	Checked	Date	
$\triangle 3$	2	DIS-D-00003383	TK.SAWAGUCHI	KY.SHIMIZU	18.08.03	
Remark			Approved	KY.SHIMIZU	17.03.15	
			Checked	KY.SHIMIZU	17.03.15	
			Designed	TY.OZAKI	17.03.15	
			Drawn	TY.OZAKI	17.03.15	
Unless otherwise specified, refer to IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-374781-00-00		
	SPECIFICATION SHEET		Part No.	HK-A-PJ		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-0097-0-00	$\triangle$ 1/1	