



APPLICABLE STANDARD						
RATING	Operating temperature range	-40℃ to +85℃ (90%RH Max.)	Storage temperature range	-40℃ to +85℃ (90%RH Max.)		
	Power	— w	Characteristic impedance	50Ω (0 to 30 GHz)		
	Peculiarity	—	Applicable cable	—		
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
General examination		Visually and with a measuring instrument.		According to the drawing.	X	X
Marking		Confirmed visually.			—	—
ELECTRICAL CHARACTERISTICS						
Contact resistance	10 mA Max. (DC or 1000 Hz).	Center contact	20 mΩ Max.	X	X	
		Outer contact	10 mΩ Max.	X	X	
Insulation resistance	100 V DC.	500 MΩ Min.		X	X	
Withstanding voltage	250 V AC for 1 min. Current leakage 2mA Max.	No flashover or breakdown.		X	X	
Voltage standing wave ratio	Frequency 0 to 15 GHz.	VSWR	1.3 Max.	X	X	
	Frequency 15 to 20 GHz.	VSWR	1.4 Max.	X	X	
	Frequency 20 to 30 GHz	VSWR	1.5 Max	X	X	
Insertion loss	Frequency — to — GHz	— dB Max.		—	—	
MECHANICAL CHARACTERISTICS						
Center contact extraction forces	— with a steel gauge.	Insertion force	— N Max.	—	—	
		Extraction farce	— N Min	—	—	
Insertion and withdrawal forces	Measured with an applicable connector.	Insertion force	— N Max.	—	—	
		Extraction farce	— N Min.	—	—	
Mechanical operation	500 times insertions and extractions	1) Contact resistance: Center contact 25 mΩ Max. Outer contact 15 mΩ Max. 2) No damage, cracks or looseness of parts.		X	—	
Vibration	Frequency — to — Hz Single amplitude — mm, — m/s ² at — cycles for — directions.	1) No electrical discontinuity of — μs. 2) No damage, cracks or looseness of parts.		—	—	
Shock	— m/s ² directions of pulse — ms at — times for — directions.			—	—	
Cable clamp robustness (against cable pull)	Applying a pull force the cable axially at — N Max.	1) No withdrawal and breakage of cable. 2) No breakage of clamp.		—	—	
ENVIRONMENTAL CHARACTERISTICS						
Damp heat (Steady state)	Expose to +40 °C, 95 %, 96h. Then leave it for one hour or two in the ambient temperature And humidity.	1) Insulation resistance: 10 MΩ Min. (at high humidity) 2) Insulation resistance: 500 MΩ Min. (when dry) 3) No damage, cracks or looseness of parts.		X	—	
Rapid change of temperature	Temperature -40 → 5-35 → +85 → 5-35℃ Time 30 → 3 → 30 → 3 min. for 5 cycles.	No damage, cracks or looseness of parts.		X	—	
Corrosion salt mist	Subjected to 5% salt water spray for 48 h.	Voltage standing wave ratio specification shall be met.		X	—	
△	Count	Description of revisions	Designed	Checked	DATE	
0						
Remark			Approved	TS.NOBE	20190625	
			Checked	MH.TSUCHIDA	20190625	
			Designed	TK.SAWAGUCHI	20190624	
			Drawn	TK.SAWAGUCHI	20190624	
Unless otherwise specified, refer to IEC 60512.						
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			Drawing No.		ELC-379941-00-00	
	SPECIFICATION SHEET		Part No.	C.FLJ-H2.4P		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL311-0017-0-00	 1/1	