

APPLICABLE STANDARD								
RATING	Operating temperature range	-40℃ to +85℃ (95%RH Max.)		Storage temperature range	-40℃ to +85℃ (95%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	—	
	Frequency 15 to 20 GHz.			VSWR	1.4 Max.	X	—	
	Frequency 20 to 30 GHz			VSWR	1.5 Max	X	—	
Insertion loss	Frequency — to — GHz			— dB Max.		—	—	
MECHANICAL CHARACTERISTICS								
Center contact extraction forces	HK side: φ0.91 ^{+0.005} ₀ with a steel gauge.			Extraction farce	0.5 to 4.9 N	X	X	
	C.FL side: φ0.15 ±0.002 with a steel gauge			Extraction farce	0.2 to 2 N	X	X	
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, cyclic.	Subjected to +25℃ to +65℃, at a humidity of 90 % to 96 % for 10 cycles (240H)			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 RoHS compliant				Approved	KH.IKEDA		18.03.07	
				Checked	MH.TSUCHIDA		18.03.06	
				Designed	YJ.HAGA		18.03.06	
				Drawn	YJ.HAGA		18.03.06	
Unless otherwise specified, refer to IEC 60512.								
Note QT: Qualification Test AT: Assurance Test X: Applicable Test				Drawing No.		ELC-381043-00-00		
	SPECIFICATION SHEET			Part No.		C.FLP-HKJ		
	HIROSE ELECTRIC CO., LTD.			Code No.		CL311-0024-0-00		△ 1/1