

Applicable standard						
Rating	Operating temperature range	-40 °C to +90 °C (90 %RH Max.)	Storage temperature range	-40 °C to +90 °C (90 %RH Max.)		
	Power	-- W	Characteristic impedance	50 Ω(0 to 6 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		10 mA Max.(DC or 1000 Hz)		Center contact 14 mΩ Max.	X	X
				Outer contact 14 mΩ Max.	X	X
Insulation resistance		100 V DC.		500 MΩ Min.	X	X
Withstanding voltage		200 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X	X
Voltage standing wave ratio		Frequency 0 to 6 GHz.		VSWR 1.2 Max.	X	—
Insertion loss		Frequency - to - GHz.		--- dB Max.	—	—
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces		φ --- 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		[SMA(R)] 500 times insertion and extractions. [U.FL] 30 times insertion and extractions.		1)Contact resistance: Center contact 21 mΩ Max. Outer contact 21 mΩ Max. 2)No damage, crack and looseness of parts.	X	—
Vibration		Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s ² at 5 cycles for 3 directions.		1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	—
Shock		735 m/s ² directions of pulse 11 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 +40 °C, 95 % total --- cycles.(96 h)		1)Insulation resistance: 10 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 -40 → 5-35 → +90 → 5-35 °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.		No heavy corrosion. (The quality is judged by VSWR performance)	X	—
	Count	Description of revisions	Designed	Checked	Date	
△						
Remark			Approved	KY.SHIMIZU	16.08.23	
RoHS COMPLIANT			Checked	TO.KATAYAMA	16.08.23	
			Designed	RO.YOKOYAMA	16.08.22	
Unless otherwise specified, refer to IEC 60512.			Drawn	RO.YOKOYAMA	16.08.22	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-349746-00-00		
HRS		SPECIFICATION SHEET	Part No.	SMA(R)J-U.FLJ-BPA-4		
		HIROSE ELECTRIC CO., LTD.	Code No.	CL311-0464-0-00	△	1/1