Applicable standard				
Rating	Operating temperature range	-40 ℃ to +90 ℃ (90 %RH Max.)	Storage temperature range	-40 ℃ to +90 ℃ (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 ℃, 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 ℃ 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
△1				

Remark
RoHS COMPLIANT

Unless otherwise specified, refer to IEC 60512.

Approved	KY.SHIMIZU	16.08.23
Checked	TO.KATAYAMA	16.08.23
Designed	RO.YOKOYAMA	16.08.22
Drawn	RO.YOKOYAMA	16.08.22

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

HRS	SPECIFICATION SHEET	Drawing No.	ELC-349750-00-00	
		Part No.	SMA(R)J-U.FLJ-PA2	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL311-0468-0-00 △1	1/1

FORM HD0011-2-1