

Applicable standard					
Rating	Operating temperature range	-40 °C to +90 °C ( 95 %RH Max.)	Storage temperature range	-40 °C to +90 °C ( 95 %RH Max.)	
	Power	-- W	Characteristic impedance	50 Ω( 0 to 6 GHz)	
	Peculiarity	----	Applicable cable	Outer dia. 0.81 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		100 mA Max.(DC or 1000 Hz)	Center contact 4 mΩ Max.	X	X
			Outer contact 4 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 1.3 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		500 times insertion and extractions.	1)Contact resistance: Center contact 6 mΩ Max. Outer contact 6 mΩ Max.	X	-
			2)No damage, crack and looseness of parts.		
Vibration		Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s <sup>2</sup> at 10 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	-
Shock		490 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 3 directions.		X	-
Cable clamp strength (Against cable pull)		Using a pulling tester, pull the cable axially at a rate of 30 mm/min. and record the strength at which the cable or connector breaks.	10 N Min.	X	-
ENVIRONMENTAL CHARACTERISTICS					
Damp heat		Exposed at +25 to +65 °C, 90 to 98 % total 10 cycles.( 240 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 → - → +90 → - °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.	VSWR 1.3 Max.	X	-
	Count	Description of revisions	Designed	Checked	Date
△					
Remark RoHS COMPLIANT			Approved	TO.KATAYAMA	18.02.20
			Checked	TO.KATAYAMA	18.02.20
			Designed	KY.SHIMIZU	18.02.17
Unless otherwise specified, refer to IEC 60512.			Drawn	KY.SHIMIZU	18.02.17
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-341884-00-00		
HRS	SPECIFICATION SHEET		Part No.	SMA(R)-200-040PJ2BN	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL323-0929-1-00	△ 1/1