

Applicable standard								
Rating	Operating temperature range	-30 °C to +85 °C (95 %RH Max.)	Storage temperature range	-30 °C to +85 °C (95 %RH Max.)				
	Power	- W	Characteristic impedance	50 Ω (0 to 4 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.				X	X	
ELECTRICAL CHARACTERISTICS								
Contact resistance		100 mA Max.(DC or 1000 Hz)		Center contact 6 mΩ Max.		X	X	
				Outer contact 6 mΩ Max.		X	X	
Insulation resistance		500 V DC.		1000 MΩ Min.		X	X	
Withstanding voltage		1500 V AC for 1 min. current leakage 2 mA Max.		No breakdown.		X	X	
Voltage standing wave ratio		Frequency 0 to 4 GHz.		VSWR 1.2 Max.		X	-	
Insertion loss		Frequency - to - GHz.		- dB Max.		-	-	
MECHANICAL CHARACTERISTICS								
Contact insertion and extraction forces		φ 1.6 ⁰ / _{-0.005} by steel gauge.		Insertion force - N Max.		-	-	
				Extraction force 1 N Min.		X	X	
Insertion and extraction forces		Measured by applicable connector.		Insertion force - N Max.		-	-	
				Extraction force - N Min.		-	-	
Mechanical operation		5000 times insertion and extractions.		1)Contact resistance: Center contact 20 mΩ Max. Outer contact 20 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 ² at 10 cycles for 3 directions.		1)No electrical discontinuity of 1 μs.		X	-	
				2)No damage, crack and looseness of parts.				
Shock		490 m/s ² 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 - mm/min. and record the strength at which the cable or connector breaks.		- N Min.		-	-	
ENVIRONMENTAL CHARACTERISTICS								
Damp heat		Exposed at +25 to +65 °C, 80 to 96 % total 10 cycles.(240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.		X	-	
Rapid change of temperature		Temperature -55 → - → +85 → - °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 1.2 Max.		X	-	
	Count	Description of revisions		Designed		Checked		Date
△								
Remark				Approved	NK.NINOMIYA	20230619		
				Checked	NK.NINOMIYA	20230619		
				Designed	NK.OOSAWA	20230619		
Unless otherwise specified, refer to IEC 60512.				Drawn	NK.OOSAWA	20230619		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC-000071-42-00		
HRS		SPECIFICATION SHEET		Part No.		N-PA(42)		
		HIROSE ELECTRIC CO., LTD.		Code No.		CL0301-0036-9-42		
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