

Applicable standard									
Rating	Operating temperature range	-55 °C to +85 °C (95 %RH Max.)	Storage temperature range	-55 °C to +85 °C (95 %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.				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 6 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	-		
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. 2)No damage, crack and looseness of parts.		X	-		
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	
				Drawn		NK.OOSAWA		20230619	
Unless otherwise specified, refer to IEC 60512.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC-000316-40-00			
HRS		SPECIFICATION SHEET			Part No.		UG-27C/U(40)		
		HIROSE ELECTRIC CO., LTD.			Code No.		CL0301-0015-9-40		△ 1/1