

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 10 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 flashover or breakdown.	X	X
Voltage standing wave ratio		Frequency 0 to 10 GHz.		VSWR 1.2 Max.	X	-
Insertion loss		Frequency 0 to 10 GHz.		0.2 dB Max.	X	-
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 Max.	-	-
Mechanical operation		1000 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. 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, 90 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	TO.KATAYAMA	20200526
				Checked	TO.KATAYAMA	20200526
				Designed	TM.YOSHIDA	20200526
Unless otherwise specified, refer to IEC 60512.				Drawn	TM.YOSHIDA	20200526
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-000470-40-40		
HRS	SPECIFICATION SHEET		Part No.	UG-57B/U(40)		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL301-0018-7-40		
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