Applicable standard				
Rating	Operating temperature range	-55 ℃ to +85 ℃ (95 %RH Max.)	Storage temperature range	-55 ℃ to +85 ℃ (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. 2)No damage, crack and looseness of parts.	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 ℃, 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 → - ℃ 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

Unless otherwise specified, refer to IEC 60512.

Approved	TO.KATAYAMA	20200605
Checked	TO.KATAYAMA	20200605
Designed	TM.YOSHIDA	20200605
Drawn	TM.YOSHIDA	20200605

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

		Drawing No.	ELC-000470-41-41	
HRS	SPECIFICATION SHEET	Part No.	UG-57B/U(41)	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL301-0018-7-41	⚠ 1/1

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