


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.			-	-
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 6 GHz.		VSWR 1.2 Max.	X	-
	Frequency 6 to 10 GHz.		VSWR 1.3 Max.		
Insertion loss	Frequency 0 to 6 GHz.		0.2 dB Max.	X	-
	Frequency 6 to 10 GHz.		0.3 dB Max.		
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces	φ 1.6 <sup>0</sup> <sub>-0.005</sub> 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 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 <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.				
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. ( 0 to 6 GHz) VSWR 1.3 Max. ( 6 to 10 GHz)	X	-
	Count	Description of revisions	Designed	Checked	Date
Remark				Approved TO.KATAYAMA Checked TO.KATAYAMA Designed TM.YOSHIDA Drawn TM.YOSHIDA	20200514 20200514 20200514 20200514
Unless otherwise specified, refer to IEC 60512.					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-000782-45-45	
	SPECIFICATION SHEET		Part No.	UG-29B/U(45)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL301-0035-6-45	