

Applicable standard		MIL-STD-348B						
Rating	Operating temperature range	-55 °C to +105 °C (95 %RH Max.)	Storage temperature range	-55 °C to +50 °C (95 %RH Max.)				
	Power	-- W	Characteristic impedance	50 Ω(0 to 43.5 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 4 mΩ Max.		X	X	
				Outer contact 2 mΩ Max.		X	X	
Insulation resistance		100 V DC.		1000 MΩ Min.		X	X	
Withstanding voltage		200 V AC for 60 sec. current leakage 2 mA Max.		No breakdown.		X	X	
Voltage standing wave ratio		Frequency 0 to 43.5 GHz.		VSWR 1.3 Max.(0 to 30GHz)		X	X	
				VSWR 1.45 Max.(30 to 40GHz)				
				VSWR 1.55 Max.(40 to 43.5GHz)				
Insertion loss		Frequency - to - GHz.		--- dB Max.		-	-	
MECHANICAL CHARACTERISTICS								
Contact insertion and extraction forces		φ 0.9195 ⁰ _{-0.0025} by steel gauge.		Insertion force --- N Max.		-	-	
				Extraction force 0.4 N Min.		X	-	
Insertion and extraction forces		Measured by applicable connector.		Insertion force --- N Max.		-	-	
				Extraction force --- N Min.		-	-	
Mechanical operation		500 times insertion and extractions.		1)Contact resistance: Center contact 6 mΩ Max. Outer contact 4 mΩ Max.		X	-	
				2)No damage, crack and looseness of parts.				
Vibration		Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s ² at 5 cycles for 3 directions.		1)No electrical discontinuity of 1 μs.		X	-	
				2)No damage, crack and looseness of parts.				
Shock		1960 m/s ² directions of pulse 6 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 -10 to +65 °C, 90 to 96 % total 10 cycles.(240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity)		X	-	
				2) Insulation resistance: 1000 MΩ Min. (at dry)				
				3)No damage, crack and looseness of parts.				
Rapid change of temperature		Temperature -55 → - → +105 → - °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 1.3 Max.(0 to 30GHz)		X	-	
				VSWR 1.45 Max.(30 to 40GHz)				
				VSWR 1.55 Max.(40 to 43.5GHz)				
△	Count	Description of revisions		Designed		Checked		Date
1	2	DIS-D-00018858		NM.TORIUMI		TS.KANEKO		20240528
Remark				Approved		TS.NAKAGAWA		20240326
Note 1) VSWR is evaluated by using Hirose thru PCB.				Checked		TS.KANEKO		20240326
Unless otherwise specified, refer to IEC 60512.				Designed		NM.TORIUMI		20240326
				Drawn		NM.TORIUMI		20240326
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC-405666-11-00		
HRS		SPECIFICATION SHEET		Part No.		HK-LR-SR2-A(11)		
		HIROSE ELECTRIC CO., LTD.		Code No.		CL0338-0015-0-11		
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