

Applicable standard		MIL-STD-348B			
Rating	Operating temperature range	-55 °C to +125 °C (95 %RH Max.)	Storage temperature range	-55 °C to +85 °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 6 mΩ Max.	X	X
			Outer contact 2 mΩ Max.	X	X
Insulation resistance		250 V DC.	500 MΩ Min.	X	X
Withstanding voltage		300 V AC for 1 min. current leakage 2 mA Max.	No breakdown.	X	X
Voltage standing wave ratio 		Frequency 0 to 43.5 GHz.	VSWR 1.5 Max.	X	X
Insertion loss		Frequency - to - GHz.	--- dB Max.	-	-
MECHANICAL CHARACTERISTICS					
Mechanical operation		500 times insertion and extractions.	1)Contact resistance: Center contact 8 mΩ Max. Outer contact 4 mΩ Max. 2)No damage and crack of parts.	X	-
Vibration		Frequency 10 to 500 Hz single amplitude 0.75 mm, 196 m/s ² at 10 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage and crack of parts.	X	-
Shock		980 m/s ² directions of pulse 6 ms at 3 times for 3 directions.		X	-
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) 2) Insulation resistance: 500 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	-
Rapid change of temperature		Temperature -55 → - → +125 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.	No damage and crack of parts.	X	-
Corrosion salt mist		Exposed in 5 % salt water spray for 48 h.	VSWR 1.5 Max (Frequency 0 to 43.5 GHz)	X	-
	Count	Description of revisions	Designed	Checked	Date
					
Remark			Approved	TS.NAKAGAWA	20230407
NOTE  VSWR is evaluated by using Hirose thru PCB.			Checked	TS.KANEKO	20230407
			Designed	YK.KIUCHI	20230407
Unless otherwise specified, refer to IEC 60512.			Drawn	YK.KIUCHI	20230407
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-401976-00-00	
	SPECIFICATION SHEET		Part No.	HK-R-SR2-SA	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0338-0028-0-00	 1/1