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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Applicable standard		IEC 61169-32		
Rating	Operating temperature range	-55 °C to +125 °C (95 %RH Max.)	Storage temperature range	-55 °C to +50 °C (95 %RH Max.)
	Power	- W	Characteristic impedance	50 Ω (0 to 71 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 10 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 1	Frequency 0 to 50 GHz. 50 to 60 GHz. 60 to 67 GHz.	VSWR 1.3 Max. 1.5 Max. 1.7 Max.	X	X
Insertion loss	Frequency - to - GHz.	- dB Max.	-	-
MECHANICAL CHARACTERISTICS				
Mechanical operation	500 times insertion and extractions.	1)Contact resistance: Center contact 12 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, 200 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	1000 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 1.3 Max. (Frequency 0 to 50 GHz) 1.5 Max. (Frequency 50 to 60 GHz) 1.7 Max. (Frequency 60 to 67 GHz)	X	-

	Count	Description of revisions	Designed	Checked	Date
△0					

Remark

NOTE 1 VSWR is evaluated by using Hirose adapter.

Unless otherwise specified, refer to IEC 60512.

Approved	TS.NAKAGAWA	20240620
Checked	TS.NAKAGAWA	20240620
Designed	TS.KANEKO	20240620
Drawn	TS.KANEKO	20240620

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

HRS	SPECIFICATION SHEET	Drawing No.	ELC-405920-00-00	
		Part No.	HV-R-FR2(12.22)	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL0338-0016-0-00	△0 1/1

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