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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 +85°C(95%RH MAX)
	POWER	——— W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 65 GHz)
	PECULIARITY	———	APPLICABLE CABLE	———

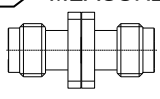
SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 4 mΩ MAX.	×	×
		OUTER CONTACT 2 mΩ MAX.	×	×
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	×	×
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	×	×
VOLTAGE STANDING WAVE RATIO 1	FREQUENCY 0 TO 65 GHz. TEST METHOD IS BACK TO BACK.	VSWR 1.2 MAX. (0 TO 30GHz) VSWR 1.4 MAX. (30 TO 60GHz) VSWR 1.6 MAX. (60 TO 65GHz)	×	×
INSERTION LOSS	FREQUENCY TO GHz	dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	EXTRACTION GAUGE: $\phi 0.495\ ^{0}_{-0.005}$ [mm] STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE 0.05 ～ 2 N MIN. 2	×	×
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE N MIN.	—	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩMAX. OUTER CONTACT 4 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	–
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	–
SHOCK	980 m/s² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	–
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC	EXPOSED AT −10 TO +65 °C, 90～96 % TOTAL 10 CYCLES (240 h)	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 5000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → -- → +125 → -- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	–
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	VSWR CHARACTERISTIC SHALL BE MET.	×	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
2	1	DIS-D-00005254	AH. MARUYAMA	NK. NINOMIYA	20200917

REMARK

NOTE 1 MEASUREMENT STATE OF BACK TO BACK

PORT1  PORT2

UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.

APPROVED	MH. OGUSU	20190108
CHECKED	MH. OGUSU	20190108
DESIGNED	AH. MARUYAMA	20190108
DRAWN	AH. MARUYAMA	20190108

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

DRAWING NO. ELC-380932-12-00

HRS	SPECIFICATION SHEET	PART NO.	HV-R-SR2(12)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL338-0010-0-12	2 1/1

FORM HD0011-2-1