

May.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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	50 Ω (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.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
ELECTRIC 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		500 V DC.		5000 MΩ MIN.	X	X
VOLTAGE PROOF		500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0 TO 65 GHz.		VSWR 1.2 MAX. (0 TO 30GHz)	X	X
1		TEST METHOD IS BACK TO BACK.		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: $\phi 0.495 \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}$ [mm] STEEL GAUGE.		INSERTION FORCE N MAX.	-	-
				EXTRACTION FORCE 0.05 ~ 2 N MIN.	X	X
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.	X	-
				2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs.	X	-
SHOCK		980 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.		2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
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.	X	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → -- → +125 → -- °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 CHARACTERISTIC SHALL BE MET.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	1	DIS-D-00005254	AH. MARUYAMA	NK. NINOMIYA	20200917	
REMARK				APPROVED	MH. OGUSU	20190108
NOTE 1 MEASUREMENT STATE OF BACK TO BACK				CHECKED	MH. OGUSU	20190108
PORT1 PORT2				DESIGNED	AH. MARUYAMA	20190108
UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.				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		1/1