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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	_____	
<b>SPECIFICATIONS</b>						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
<b>ELECTRIC CHARACTERISTICS</b>						
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. 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)	X	X
INSERTION LOSS		FREQUENCY TO GHz		dB MAX.	-	-
<b>MECHANICAL CHARACTERISTICS</b>						
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. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK		980 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
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  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-380932-11-00	
	SPECIFICATION SHEET		PART NO.	HV-R-SR2 (11)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0010-0-11		1/1