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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	-40°C TO +85°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C TO +85°C(95%RH MAX)		
	POWER	0.5 W (at 65°C)	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	mA MAX (DC OR 1000 Hz).		CENTER CONTACT	mΩ MAX.	—	—
			OUTER CONTACT	mΩ MAX.	—	—
INSULATION RESISTANCE	V DC.			MΩ MIN.	—	—
VOLTAGE PROOF	V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.			
VSWR	FREQUENCY DC TO 65 GHz.		VSWR <1.15 : DC TO 20 GHz <1.25 : 20 TO 60 GHz <1.35 : 60 TO 65 GHz		X	X
RESISTANCE VALUE	MEASURE THE RESISTANCE VALUE AT DC1V		48.5 TO 51.5 Ω		X	X
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.		INSERTION FORCE	N MAX.	—	—
			EXTRACTION FORCE	NMIN	—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : ]		INSERTION FORCE	N MAX.	—	—
			EXTRACTION FORCE	N MAX.	—	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS. [APPLICABLE CONNECTOR : HV-R-SR2]		1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s <sup>2</sup> AT 3 CYCLES FOR 3 DIRECTIONS.		1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	—
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		—	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT	EXPOSED AT +40 °C, 90~95 % FOR 96 h		1) VSWR CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → — → +85 → — °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		1) VSWR CHARACTERISTIC SHALL BE MET. 2) 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	
△						
REMARK			APPROVED	TS. NAKAGAWA	20210413	
			CHECKED	NK. NINOMIYA	20210413	
			DESIGNED	AH. MARUYAMA	20210413	
Unless otherwise specified, refer to IEC 60512.			DRAWN	AH. MARUYAMA	20210413	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-387607-00-00	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	HV-TMP-1		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0353-0025-0-00	△	1/1

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