

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 ² 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 ² 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 Unless otherwise specified, refer to IEC 60512.				APPROVED	TS. NAKAGAWA	20210413	
				CHECKED	NK. NINOMIYA	20210413	
				DESIGNED	AH. MARUYAMA	20210413	
				DRAWN	AH. MARUYAMA	20210413	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-387607-00-00	
HRS	SPECIFICATION SHEET			PART NO.		HV-TMP-1	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL0353-0025-0-00	△ 1/1