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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		MIL-STD-348B			
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 CW (at 65° C)	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 50 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					
VSWR		FREQUENCY DC TO 50 GHz	1.2 MAX	X	X
INSERTION LOSS		MUST BE UNDER THE STD. VALUE AT FREQUENCY - TO - GHz	- dB MAX	-	-
CONTACT RESISTANCE		- mA MAX (DC OR 1000 Hz).	- mΩ MAX.	-	-
INSULATION RESISTANCE		- V DC.	- MΩ MIN.	-	-
RESISTANCE VALUE		MEASURE THE RESISTANCE VALUE AT DC1V	50 Ω ± 3 %	X	X
VOLTAGE PROOF		- V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	-	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS. [APPLICABLE CONNECTOR : H2.4-R-SR2-1]	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 10 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)		USING A PULLING TESTER, PULL THE CABLE AXIALLY AT A RATE OF - mm/min. AND RECORD THE STRENGTH AT WHICH THE CABLE OR CONNECTOR BREAKS.	- N MIN.	-	-
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 RoHS COMPLIANT			APPROVED	TS.NAKAGAWA	20210913
			CHECKED	AH.MIYAZAKI	20210910
			DESIGNED	TS.KANEKO	20210910
Unless otherwise specified, refer to IEC 60512.			DRAWN	TS.KANEKO	20210910
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-393908-00-00
	SPECIFICATION SHEET		PART NO.	H2.4-TMP	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0353-0174-0-00	1/1