Apr.1.2024 Copyright 2024 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		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 (at 75℃)	CHARACTERISTIC IMPEDANCE	50Ω (DC TO 40 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 40 GHz.	VSWR <1.1 : DC TO 10 GHz △1 <1.15 : 10 TO 20 GHz △1 <1.18 : 20 TO 35 GHz △1 <1.28 : 35 TO 40 GHz △1	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 : HK-A-JJ]	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)	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
△1	4	DIS-D-00002410	AH. MARUYAMA	TS. NOBE	17.09.04

REMARK
RoHS COMPLIANT

Unless otherwise specified, refer to IEC 60512.

APPROVED	KH. IKEDA	17.08.04
CHECKED	TS. NOBE	17.08.04
DESIGNED	AH. MARUYAMA	17.08.04
DRAWN	AH. MARUYAMA	17.08.04

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-374634-00-00

HRS	SPECIFICATION SHEET	PART NO.	HK-TMP	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL353-0014-0-00 △1	1/1