

APPLICABLE STANDARD		MIL-STD-348B					
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +105°C(95%RH MAX)		STORAGE TEMPERATURE RANGE	-55°C TO +85°C(95%RH MAX)		
	POWER	_____ W		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.		×	×
MARKING		CONFIRMED VISUALLY.				×	—
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT	4 mΩ MAX.	×	×
				OUTER CONTACT	2 mΩ MAX.	×	×
INSULATION RESISTANCE		500 V DC.		5000 MΩ MIN.		×	×
VOLTAGE PROOF		500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		×	×
VOLTAGE STANDING WAVE RATIO		FREQUENCY DC TO 20 GHz 20 TO 50GHz.		VSWR 1.3 MAX. (DC TO 20 GHz) VSWR 1.45 MAX (20 TO 50GHz)		×	×
							△3
INSERTION LOSS		FREQUENCY - TO - GHz		dB MAX.		—	—
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		EXTRACTION GAUGE: $\phi 0.495_{-0.005}^0$ STEEL GAUGE.		INSERTION FORCE N MAX.		—	—
				EXTRACTION FORCE 0.2~2 N MIN.		×	×
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.		×	—
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
SHOCK		1960 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.				×	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, 90~98 % 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.		×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → -- → +105 → -- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		VSWR CHARACTERISTIC SHALL BE MET.		×	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
2	1	DIS-D-00004969		AH. MARUYAMA		NK. NINOMIYA	20200518
REMARK				APPROVED	TS. NOBE	20180822	
NOTE 1 VSWR is evaluated by de-embedded PCB trace.				CHECKED	HA. NISHIMURA	20180822	
				DESIGNED	MH. OGUSU	20180822	
UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.				DRAWN	MH. OGUSU	20180822	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-374263-00-00	
HRS		SPECIFICATION SHEET		PART NO.		H2. 4-R-SR2-S	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL338-0605-0-00	△ 1/1