

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	50Ω (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							
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT	4 mΩ MAX.	X X		
			OUTER CONTACT	2 mΩ MAX.	X X		
INSULATION RESISTANCE	500 V DC.		5000 MΩ MIN.		X X		
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X X		
VOLTAGE STANDING WAVE RATIO 1	FREQUENCY DC TO 20 GHz		VSWR	1.3 MAX. (DC TO 20 GHz)	X X		
	20 TO 50GHz.		VSWR	1.45 MAX (20 TO 50GHz)	X X		
INSERTION LOSS	FREQUENCY - TO - GHz		dB MAX.		— —		
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	EXTRACTION GAUGE: $\phi 0.495^{+0.005}_{-0.005}$ STEEL GAUGE.		INSERTION FORCE	N MAX.	— —		
			EXTRACTION FORCE	0.2~2 N MIN.	X X		
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.		X —		
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.		X —		
SHOCK	1960 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.				X —		
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.		X —		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → -- → +105 → -- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		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		
0							
REMARK				APPROVED	TS. NOBE 20200521		
NOTE 1 VSWR is evaluated by de-embedded PCB trace.				CHECKED	NK. NINOMIYA 20200521		
				DESIGNED	AH. MARUYAMA 20200520		
UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.				DRAWN	AH. MARUYAMA 20200520		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-374263-12-00		
HRS	SPECIFICATION SHEET		PART NO.	H2. 4-R-SR2-S (12)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0605-0-12	1/1		