

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	_____		
<b>SPECIFICATIONS</b>							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				X	X
<b>ELECTRIC CHARACTERISTICS</b>							
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		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)			
INSERTION LOSS		FREQUENCY - TO - GHz		dB MAX.		-	-
<b>MECHANICAL CHARACTERISTICS</b>							
CONTACT INSERTION AND EXTRACTION FORCES		EXTRACTION GAUGE: φ0.495 <sup>0</sup> <sub>-0.005</sub> 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 <sup>2</sup> 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 <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
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	
<b>HRS</b>	SPECIFICATION SHEET			PART NO.	H2. 4-R-SR2-S (12)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL338-0605-0-12	△	1/1