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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	-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			VSWR	1.3 MAX. (DC TO 20 GHz)	×	×
	20 TO 50GHz.			VSWR	1.45 MAX (20 TO 50GHz)		
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 <sup>2</sup> 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 <sup>2</sup> 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	
	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