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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	_____			
<b>SPECIFICATIONS</b>								
ITEM		TEST METHOD		REQUIREMENTS	QT	AT		
<b>CONSTRUCTION</b>								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×		
MARKING		CONFIRMED VISUALLY.			×	×		
<b>ELECTRIC CHARACTERISTICS</b>								
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.		-	-	
<b>MECHANICAL CHARACTERISTICS</b>								
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.				×	-	
<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.		×	-	
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  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		