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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 + 50° C (95%RH MAX)		
	POWER	—W	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 40 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.			—	—	
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.			1000 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.			
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.04 TO 40 GHz □> TEST METHOD IS Back to Back		VSWR	1.10 MAX. (0.04 to 18 GHz)	X	—
			VSWR	1.15 MAX. (18 to 26.5 GHz)		
			VSWR	1.30 MAX. (26.5 to 40 GHz)		
INSERTION LOSS	FREQUENCY ---- TO ---- GHz			--- dB MAX.	—	—
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	Φ0.9195 ⁰ _{-0.0025} BY STEEL GAUGE.		INSERTION FORCE	--- N MAX.	—	—
			EXTRACTION FORCE	0.4 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 mΩ MAX. CHANGE OUTER CONTACT 4 mΩ MAX. CHANGE		X	—
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 12 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs.		X	—
			2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			
SHOCK	1960 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.		2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT --N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		—	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT	EXPOSED AT -10 TO +65°C, 90 TO 98 % TOTAL 10 CYCLES (240h)		1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 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 48h.		NO HEAVY CORROSION.		X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
△						
REMARK			APPROVED	KY. SHIMIZU	15.10.22	
RoHS COMPLIANT			CHECKED	TO. KATAYAMA	15.10.22	
Note □> Measurement state of Back to Back.			DESIGNED	NK. OOSAWA	15.10.22	
Unless otherwise specified, refer to MIL-STD-202.			DRAWN	NK. OOSAWA	15.10.22	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-366760-12-00	
HRS	SPECIFICATION SHEET		PART NO.	HK-R-SR2-1 (12)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0003-0-12		△