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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	50Ω ( 0 TO 40 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.			—	—
<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.		1000 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 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)	X	—	
		VSWR	1.30 MAX. (26.5 to 40 GHz)	X	—	
INSERTION LOSS	FREQUENCY ——— TO ——— GHz		—— dB MAX.	—	—	
<b>MECHANICAL CHARACTERISTICS</b>						
CONTACT INSERTION AND EXTRACTION FORCES	Φ0.9195 <sup>0</sup> <sub>-0.0025</sub> 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 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 12 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.	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.			—	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
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-366760-11-00	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	HK-R-SR2-1 (11)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0003-0-11		
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