

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	—		
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.			X	X	
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.04 TO 40 GHz ①> 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	0 Φ0.9195 -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	—	
		2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
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	—	
SHOCK	1960 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.	2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
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.					
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 ①> 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-366760-00-00		
HRS	SPECIFICATION SHEET		PART NO.	HK-R-SR2-1			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0003-0-00			
				⚠	1/1		