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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 40 GHz)
	PECULIARITY	_____		APPLICABLE CABLE	_____
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
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.	X X
				OUTER CONTACT 2 mΩ MAX.	X X
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.	
		20 TO 40GHz.		VSWR 1.45 MAX	
INSERTION LOSS		FREQUENCY - TO - GHz		--- dB MAX.	
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		EXTRACTION GAUGE: φ0.9195 ⁰ _{-0.025} 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 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 ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
SHOCK		980 m/s ² 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
①					
REMARK RoHS COMPLIANT NOTE ① VSWR is evaluated by de-embedded PCB trace.			APPROVED	TS. NOBE	20190401
			CHECKED	TS. NOBE	20190401
			DESIGNED	MH. OGUSU	20190401
UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.			DRAWN	MH. OGUSU	20190401
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-379164-12-00
HRS	SPECIFICATION SHEET		PART NO.	HK-R-SR2-S (12)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0006-0-12	① 1/1