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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								
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +85°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	-55°C TO +85°C(95%RH MAX)				
	POWER	— W	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 28 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	4 mΩ MAX.	X	X	
INSULATION RESISTANCE		500 V DC.		5000 MΩ MIN.		X	X	
VOLTAGE PROOF		1000 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X	X	
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 28 GHz.		VSWR	1.4 MAX. (0.045 TO 20GHz)	X	—	
				VSWR	1.7 MAX. (20 TO 28GHz)			
INSERTION LOSS		FREQUENCY TO GHz		dB MAX.		—	—	
MECHANICAL CHARACTERISTICS								
CONTACT INSERTION AND EXTRACTION FORCES		EXTRACTION GAUGE: $\phi 0.9017 \begin{smallmatrix} 0 \\ -0.0025 \end{smallmatrix}$ STEEL GAUGE.		INSERTION FORCE		N MAX.	—	—
				EXTRACTION FORCE		0.3 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 6 mΩMAX.		X	—	
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.		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.				X	—	
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT,CYCLIC		EXPOSED AT +25 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.		X	—	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → — → +85 → — °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 48 h.		NO HEAVY CORROSION.		X	—	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE			
0								
REMARK RoHS COMPLIANT THE COUPLING TIGHTENING TORQUE : 0.6 TO 0.8N·m				APPROVED	MH. YAMANE	12. 02. 08		
				CHECKED	MH. TSUCHIDA	12. 02. 08		
				DESIGNED	RO. YOKOYAMA	12. 02. 07		
				DRAWN	RO. YOKOYAMA	12. 02. 07		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-342452-00			
HRS	SPECIFICATION SHEET		PART NO.	HRM (G) -300-467B-1				
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0937-0-00		1/1		