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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)		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				APPROVED	MH. YAMANE	12. 02. 08	
RoHS COMPLIANT				CHECKED	MH. TSUCHIDA	12. 02. 08	
THE COUPLING TIGHTENING TORQUE : 0.6 TO 0.8N·m				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