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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	_____		
<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	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.		-	-
<b>MECHANICAL CHARACTERISTICS</b>							
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. 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 10 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.				X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
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				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	
<b>HRS</b>		SPECIFICATION SHEET		PART NO.	HRM (G) -300-467B-1		
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0937-0-00		1/1