

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
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#### 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 <sup>2</sup> 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 <sup>2</sup> 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
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	HRM (G) -300-467B-1	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL323-0937-0-00	1/1