


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	50Ω ( 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.	×	×
MARKING		CONFIRMED VISUALLY.		—	—
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT	4 mΩ MAX.	×	×
		OUTER CONTACT	4 mΩ MAX.	×	×
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.		×	×
VOLTAGE PROOF	1000 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.		×	×
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 28 GHz.	VSWR 1.4 MAX. (0.045 TO 18GHz)	×	—	
		VSWR 1.5 MAX. (18 TO 20GHz)			
		VSWR 1.7 MAX. (20 TO 28GHz)			
INSERTION LOSS	FREQUENCY TO GHz	dB MAX.		—	—
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	EXTRACTION GAUGE: $\phi 0.9017 \overset{0}{-0.0025}$ STEEL GAUGE.	INSERTION FORCE	N MAX.	—	—
		EXTRACTION FORCE	0.3 N MIN.	×	×
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.		×	—
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.		×	—
SHOCK	1960 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.			×	—
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.		×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → — → +85 → — °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.	NO HEAVY CORROSION.		×	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
0					
REMARK RoHS COMPLIANT THE COUPLING TIGHTENING TORQUE : 0.6 TO 0.8N•m			APPROVED	MH. YAMANE	12.02.10
			CHECKED	MH. TSUCHIDA	12.02.10
			DESIGNED	RO. YOKOYAMA	12.02.09
			DRAWN	RO. YOKOYAMA	12.02.09
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-339103-00
HRS	SPECIFICATION SHEET		PART NO.	HRM (G) -300-468B-1	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0924-8-00	 1/1