APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C to +85°C(90%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C to +85°C(90%RH MAX)
	POWER	— w	CHARACTERISTIC IMPEDANCE	— Ω (— to — GHz)
	PECULIARITY	—	APPLICABLE CONNECTOR	MRF14-J-088NM-1

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	mA MAX (DC OR 1000 Hz).	CENTER CONTACT mΩ MAX.	—	—
		OUTER CONTACT mΩ MAX.	—	—
INSULATION RESISTANCE	V DC.	MΩ MIN.	—	—
VOLTAGE PROOF	V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	—	—
VOLTAGE STANDING WAVE RATIO	FREQUENCY to GHz FREQUENCY to GHz	VSWR MAX.	—	—
INSERTION LOSS	FREQUENCY to GHz	dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	MEASURED BY WIDTH STEEL GAUGE	INSERTION FORCE N MAX.	—	—
		EXTRACTION FARCE N MIN	—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FARCE N MIN.	—	—
MECHANICAL OPERATION	TIMES INSERTIONS AND EXTRACTIONS	1) CONTACT RESISTANCE: CENTER CONTACT mΩMAX. OUTER CONTACT mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
VIBRATION	FREQUENCY to Hz SINGLE AMPLITUDE mm, m/s^2 AT CYCLES FOR DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
SHOCK	m/s^2 DIRECTIONS OF PULSE ms AT TIMES FOR DIRECTIONS.		—	—
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.	1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	—	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT	EXPOSED AT +40 ℃ 、 95% TOTAL (96 H)	1) INSULATION RESISTANCE: 500 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 20 to 35→ +85→ 20 to 35 °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN % SALT WATER SPRAY FOR h.	NO HEAVY CORROSION.	—	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

REMARK
RoHS COMPLIANT
NON-MAGNETIC

Unless otherwise specified, refer to JIS C 5402.

APPROVED	KY. SHIMIZU	14. 08. 20
CHECKED	KY. SHIMIZU	14. 08. 20
DESIGNED	TM. YOSHIDA	14. 08. 18
DRAWN	TM. YOSHIDA	14. 08. 18

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-349223-81

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. MRF14-8J-CH

CODE NO. CL313-0722-6-00 ⚠0

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FORM HD0011-2-1