

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +90°C (95%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C TO +90°C (95%RH MAX)	
	POWER	— W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 6 GHz)	
	PECULIARITY	—	APPLICABLE CABLE	RF-MF5010:NISSEI ELCTRIC CO.,LTD	
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	100 V DC.		500 MΩ MIN.	×	×
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	×	×
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 6 GHz		VSWR 1.3 MAX.	×	—
INSERTION LOSS	FREQUENCY — TO — GHz		— dB MAX.	—	—
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.		INSERTION FORCE — N MAX.	—	—
			EXTRACTION FORCE — 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 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			×	—
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT 10 N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	×	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT,CYCLIC	EXPOSED AT +25 TO +65°C, 90 TO 96 % TOTAL 10 CYCLES (240 h)		1) INSULATION RESISTANCE: 10 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 -40 → — → +90 → — °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
0					
REMARK			APPROVED	TS. NOBE	13. 11. 20
RoHS COMPLIANT			CHECKED	NK. NINOMIYA	13. 11. 20
			DESIGNED	MS. MATSUMOTO	13. 11. 15
Unless otherwise specified, refer to JIS C 5402.			DRAWN	MS. MATSUMOTO	13. 11. 15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-341882-00
HRS	SPECIFICATION SHEET		PART NO.	SMA (R) -200-040BPJBN	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0927-6-00	△ 1/1