

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40 °C to +85°C(95%RH MAX)		STORAGE TEMPERATURE RANGE	-40°C to +85°C(95%RH MAX)		
	POWER	— w		CHARACTERISTIC IMPEDANCE	75 Ω ( 0 to 3 GHz)		
	PECULIARITY	—		APPLICABLE CABLE	RF-MF7510 (NISSEI ELECTRIC 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	20 mΩ MAX.	×	×
				OUTER CONTACT	5 mΩ MAX.	×	×
INSULATION RESISTANCE		100 V DC.		1000 MΩ MIN.		×	×
VOLTAGE PROOF		300 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		×	×
RETURN LOSS		FREQUENCY 0.045 to 1.5 GHz		15 dB MIN.		×	—
1		FREQUENCY 1.5 to 3 GHz		10 dB MIN.			
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	0.4 N MIN.	×	×
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS		1) CONTACT RESISTANCE: CENTER CONTACT 30 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
VIBRATION		FREQUENCY 10 to 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 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		490 m/s <sup>2</sup> 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 30 N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		×	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT		EXPOSED AT +25 to +65 °C 、 90 to 96 % TOTAL 10 CYCLES. ( 240 H)		1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → — → +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.		×	—
NOTE 1 HIGH FREQ.-MEASUREMENT CIRCUIT							
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
△							
REMARK				APPROVED	KY. SHIMIZU	15. 03. 11	
RoHS COMPLIANT				CHECKED	KY. SHIMIZU	15. 03. 11	
				DESIGNED	YI. FUNADA	15. 03. 10	
Unless otherwise specified, refer to JIS C 5402.				DRAWN	YI. FUNADA	15. 03. 10	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-357064-00-00	
HRS	SPECIFICATION SHEET			PART NO.	P021A (75) -P-084		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL330-0463-5-00		
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