

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-10°C TO +85°C(90%RH MAX)		STORAGE TEMPERATURE RANGE	-10°C TO +85°C(90%RH MAX)
	POWER	_____ W		CHARACTERISTIC IMPEDANCE	50Ω (0 TO Δ 12 GHz)
	PECULIARITY	_____		APPLICABLE CABLE	_____
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			- -
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		mA MAX (DC OR 1000 Hz).		CENTER CONTACT mΩ MAX.	- -
				OUTER CONTACT mΩ MAX.	- -
INSULATION RESISTANCE		100 V DC		500 MΩ MIN.	X -
VOLTAGE PROOF		250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X -
VOLTAGE STANDING WAVE RATIO Δ		FREQUENCY 0.045 TO 6 GHz.		VSWR 1 . 3 MAX.	X -
		FREQUENCY 6 TO 10 GHz.		VSWR 1 . 4 MAX.	
		FREQUENCY 10 TO 12 GHz.		VSWR 1 . 6 MAX.	
INSERTION LOSS		FREQUENCY TO GHz.		dB MAX.	- -
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		MEASURED BY STEEL GAUGE.		INSERTION FORCE N MAX.	- -
				EXTRACTION FORCE N MIN.	- -
INSERTION AND EXTRACTION FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE N MAX.	- -
				EXTRACTION FORCE N MIN.	- -
MECHANICAL OPERATION (W.FL2 SIDE)		10000 TIMES INSERTIONS AND EXTRACTIONS. (400-600 cycles per hour)		1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
VIBRATION		FREQUENCY TO Hz SINGLE AMPLITUDE mm, m/s ² AT CYCLES FOR DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 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,CYCLIC		EXPOSED AT TO °C, ~ % TOTAL CYCLES (h)		1) INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	- -
RAPID CHANGE OF TEMPERATURE		TEMPERATURE → → → °C TIME → → → min. UNDER CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	- -
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		Δ VSWR SPEC WITHIN STANDARD.	X -
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
Δ 3	DIS-D-00004690		NK. NINOMIYA	TS. NOBE	20200207
REMARK Unless otherwise specified, refer to JIS C 5402.			APPROVED	TS. NOBE	20130422
			CHECKED	NK. NINOMIYA	20130422
			DESIGNED	YI. FUNADA	20130422
			DRAWN	YI. FUNADA	20130422
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-343733-00
HRS	SPECIFICATION SHEET		PART NO.	W. FL2P-ML51. J-PA (F) -ST	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0457-4-00	Δ 1/1