

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.		×	×
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.	×	-
VOLTAGE PROOF		250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		×	-
VOLTAGE STANDING WAVE RATIO Δ		FREQUENCY 0.045 TO 6 GHz.		VSWR	1 . 3 MAX.	×	-
		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.		×	-
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.		×	-
	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