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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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				APPROVED	TS. NOBE	20130422	
				CHECKED	NK. NINOMIYA	20130422	
				DESIGNED	YI. FUNADA	20130422	
Unless otherwise specified, refer to JIS C 5402.				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