





Oct.1.2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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	-40 °C TO +105°C(90%RH MAX)	STORAGE TEMPERATURE RANGE	-30°C TO +70°C(90%RH MAX)	
	POWER	— W	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 8 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	10 mA MAX (DC OR 1000 Hz).		CENTER CONTACT 20 mΩ MAX.	X	—
			OUTER CONTACT 10 mΩ MAX.	X	—
INSULATION RESISTANCE	100 V DC.		500 MΩ MIN.	X	—
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO 	FREQUENCY 0.045 TO 6 GHz.		VSWR 1.3 MAX.	X	—
	FREQUENCY 6 TO 8 GHz.		VSWR 1.4 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 EXTRACTION FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE ——— N MAX.	—	—
			EXTRACTION FORCE ——— N MAX.	—	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 25 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s ² AT 5 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	735 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X	—
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	EXPOSED AT 40 °C, 95 % TOTAL 96 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.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5-35 → +105 → 5-35°C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		VSWR 1.3 MAX.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-D-00005074	NK. NINOMIYA	TS. NOBE	20200619
REMARK	100PCS /PACK		APPROVED	MH. YAMANE	20111115
			CHECKED	NK. NINOMIYA	20111114
			DESIGNED	YI. FUNADA	20111110
			DRAWN	YI. FUNADA	20111110
Unless otherwise specified, refer to JIS C 5402.					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-302540-01	
	SPECIFICATION SHEET		PART NO.	U. FL-R-SMT-1 (01)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL331-0472-2-01	 1/1