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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	-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	—	
<b>SPECIFICATIONS</b>					
ITEM		TEST METHOD		REQUIREMENTS	
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.			
<b>ELECTRIC CHARACTERISTICS</b>					
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		—	—
<b>MECHANICAL CHARACTERISTICS</b>					
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 <sup>2</sup> 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 <sup>2</sup> 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.		—	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
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 10000PCS / PLASTIC REEL			APPROVED	MH. YAMANE	20090525
			CHECKED	NK. NINOMIYA	20090525
			DESIGNED	MT. KANEKO	20090523
Unless otherwise specified, refer to JIS C 5402.			DRAWN	MT. KANEKO	20090522
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-302540-86	
	SPECIFICATION SHEET		PART NO.	U. FL-R-SMT-1 (80)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL331-0472-2-80	 1/1