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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 +90°C(90%RH MAX)	STORAGE TEMPERATURE RANGE	-20°C TO +70°C(90%RH MAX)	
	POWER	-w	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 6 GHz)	
	PECULIARITY	----	RECEPTACLES	X.FL-R-SMT-1	
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 25 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	-
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 3 GHz.		VSWR 1.3 MAX.	X	-
	FREQUENCY 3 TO 6 GHz.		VSWR 1.5 MAX.		
INSERTION LOSS	FREQUENCY ---- TO ---- GHz		---- dB MAX.	-	-
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	φ 0.34 ± 0.002 BY STEEL GAUGE.		INSERTION FORCE ---- N MAX.	-	-
			EXTRACTION FORCE 0.1 N MIN.	X	-
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 30 N MAX.	X	-
			EXTRACTION FORCE 3N TO 20N	X	-
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 30 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 → +90 → 5-35°C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARK RoHS COMPLIANT			APPROVED	MH. YAMANE	13. 05. 08
Notes 1. The quantity of this product is 10000 connectors per reel.			CHECKED	MH. TSUCHIDA	13. 05. 07
② VSWR was mounted to a 50Ω glass epoxy board and measurements were conducted with SMA conversion adapters attached.			DESIGNED	TS. SAWAI	13. 04. 23
Unless otherwise specified, refer to JIS C 5402.			DRAWN	TS. SAWAI	13. 04. 23
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-341481-80	
HRS	SPECIFICATION SHEET		PART NO.	X. FL-PR-SMT1-2 (80)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL331-0713-7-80	0 1/1