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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