

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
Q							
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	