

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	—	
	2> 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	