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	φ0.34±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
A					

REMARK RoHS COMPLIANT

Notes 1. The quantity of this product is 10000 connectors per reel.
〈2〉 VSWR was mounted to a 50Ω glass epoxy board and measurements were conducted with SMA conversion adapters attached.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	MH. YAMANE	13. 05. 08
CHECKED	MH. TSUCHIDA	13. 05. 07
DESIGNED	TS. SAWAI	13. 04. 23
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

FORM HD0011-2-1