APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−55°C TO +125°C (95%RH MAX)	STORAGE TEMPERATURE RANGE	−55°C TO +125°C(95%RH MAX)
	POWER	—— W	CHARACTERISTIC IMPEDANCE	50Ω (DC TO 40 GHz)
	PECULIARITY	——	APPLICABLE CABLE	——

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 12 mΩ MAX.	X	X
		OUTER CONTACT 12 mΩ MAX.	X	X
INSULATION RESISTANCE	250 V DC.	500 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	X
VSWR	FREQUENCY DC TO 40 GHz.	VSWR <1.15 : DC TO 10 GHz <1.25 :10 TO 30 GHz <1.38 :30 TO 40 GHz	X	X
INSERTION LOSS	FREQUENCY DC TO 40 GHz	0.5 dB MAX.	X	X
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	[SMP SIDE] ϕ0.35 $^{+0}_{-0.005}$ BY STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE 0.2 N MIN	X	—
	[HK SIDE] ϕ0.9195 $^{+0}_{-0.0025}$ BY STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE 0.4 N MIN	X	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : SMPP(FD)-HKP]	INSERTION FORCE 65 N MAX.	X	—
		EXTRACTION FORCE 16 N MIN	X	—
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS. [SMP SIDE] 500 TIMES INSERTIONS AND EXTRACTIONS. [HK SIDE] [APPLICABLE CONNECTOR : SMPP(FD)-HKP]	1) CONTACT RESISTANCE: CENTER CONTACT 20 mΩMAX.CHANGE OUTER CONTACT 20 mΩMAX.CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s^2 AT 10 CYCLES FOR 3 DIRECTIONS.	1)ELECTRICAL CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 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,CYCLIC	EXPOSED AT -10 TO +65 °C, 90～98% TOTAL 10 CYCLES (240 h)	1) INSULATION RESISTANCE: 100 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 −55 → --- → +125 → --- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h	ELECTRICAL CHARACTERISTIC SHALL BE MET.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠1					

REMARK
RoHS COMPLIANT
The above VSWR and INSURTION LOSS performance is confirmed when SMPP(SB)-HKP is mated to SMPJ-HKJ.

Unless otherwise specified, refer to IEC 60512.

APPROVED	TS. NOBE	17. 09. 12
CHECKED	TS. NOBE	17. 09. 12
DESIGNED	AH. MARUYAMA	17. 09. 12
DRAWN	AH. MARUYAMA	17. 09. 12

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-370187-00-00

HRS	SPECIFICATION SHEET	PART NO.	SMPJ-HKJ	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL311-0013-0-00 ⚠1	1/1

FORM HD0011-2-1