

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	5 0 Ω (0.045 TO 65 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.			- -
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT 16 mΩ MAX.	X X
				OUTER CONTACT 16 mΩ MAX.	X X
INSULATION RESISTANCE		250 V DC.		500 MΩ MIN.	X X
VOLTAGE PROOF		250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X X
RETURN LOSS		FREQUENCY 0.045 TO 65 GHz.		RETURN LOSS 15dB MIN : 0.045 TO 40 GHz 10dB MIN : 40 TO 65 GHz	X X
INSERTION LOSS		FREQUENCY TO GHz		dB MAX.	- -
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.		INSERTION FORCE N MAX.	- -
				EXTRACTION FORCE NMIN	- -
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE N MAX.	- -
				EXTRACTION FORCE N MAX.	- -
MECHANICAL OPERATION		100 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 28 mΩMAX.CHANGE OUTER CONTACT 28 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) NO ELECTRICAL DISCONTINUITY OF 1μs. 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 -65 → - → +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.		NO HEAVY CORROSION	X -
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
0					
REMARK			APPROVED	MH. YAMANE	08.07.19
RoHS COMPLIANT			CHECKED	TS. NOBE	08.07.18
			DESIGNED	RO. YOKOYAMA	08.07.14
Unless otherwise specified, refer to JIS C 5402.			DRAWN	RO. YOKOYAMA	08.07.14
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-313091-00
HRS	SPECIFICATION SHEET		PART NO.	SMPMP (FD) -HVP	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0419-5-00	△ 1/1