

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	50 Ω (0.045 TO 65 GHz)
	PECULIARITY	_____	APPLICABLE CABLE	_____

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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		X	-
		2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			
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.		X	-
		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.				
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 RoHS COMPLIANT	APPROVED	MH. YAMANE	08.07.19
	CHECKED	TS. NOBE	08.07.18
	DESIGNED	RO. YOKOYAMA	08.07.14
	DRAWN	RO. YOKOYAMA	08.07.14

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-313091-00
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HRS	SPECIFICATION SHEET	PART NO.	SMPMP (FD) -HVP	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL311-0419-5-00	1/1