

APPLICABLE STANDARD		SPECIFICATIONS				
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	—	
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	[SMPM SIDE] +0.0025 φ 0.32 0 BY STEEL GAUGE.		INSERTION FORCE	6.7 N MAX.	X	—
	[SMPM SIDE] +0.0025 φ 0.2896 0 BY STEEL GAUGE.		EXTRACTION FORCE	N MIN	—	—
	[HV SIDE] 0 φ 0.495 -0.005 BY STEEL GAUGE.		INSERTION FORCE	N MAX.	—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : SMPMP(FD)-HVP]		EXTRACTION FORCE	0.1 N MIN	X	X
			INSERTION FORCE	0.2 N MIN	X	X
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 28 mΩ MAX.CHANGE OUTER CONTACT 28 mΩ MAX.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.		2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		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 RoHS COMPLIANT Unless otherwise specified, refer to JIS C 5402.				APPROVED	MH. YAMANE	08.07.19
				CHECKED	TS. NOBE	08.07.18
				DESIGNED	RO. YOKOYAMA	08.07.18
				DRAWN	RO. YOKOYAMA	08.07.18
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-313093-00	
	SPECIFICATION SHEET		PART NO.	SMPMJ-HVJ		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0421-7-00	△	1/1