

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		
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	BY STEEL GAUGE.	INSERTION FORCE	6.7 N MAX.	X	-
	φ0.32	0		EXTRACTION FORCE	N MIN	-	-
	[SMPM SIDE]	+0.0025	BY STEEL GAUGE.	INSERTION FORCE	N MAX.	-	-
	φ0.2896	0		EXTRACTION FORCE	0.1 N MIN	X	X
	[HV SIDE]	0	BY STEEL GAUGE.	INSERTION FORCE	N MAX.	-	-
	φ0.495	-0.005		EXTRACTION FORCE	0.2 N MIN	X	X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : SMPMP(FD)-HVP]		INSERTION FORCE	26.7 N MAX.	X	-	
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		EXTRACTION FORCE	13.4 N MIN	X	-	
			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	08.07.18		
			DRAWN	RO. YOKOYAMA	08.07.18		
Unless otherwise specified, refer to JIS C 5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-313093-00		
HRS	SPECIFICATION SHEET		PART NO.	SMPMJ-HVJ			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0421-7-00	△	1/1	