

APPLICABLE STANDARD		MIL-STD-348B			
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C (95%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C TO +85°C(95%RH MAX)	
	POWER	0.25W (at 65°C)	CHARACTERISTIC IMPEDANCE	50Ω (DC TO 30 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					
V.S.W.R.		FREQUENCY DC TO 30 GHz.	VSWR <1.15 : DC TO 15 GHz <1.2 :15 TO 25 GHz <1.25 :25 TO 30 GHz	X	X
RESISTANCE VALUE		MEASURE TH RESISTANCE VALURE AT DC1V.	49 TO 51 Ω.	X	X
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	[SMP SIDE]	+0	INSERTION FORCE N MAX.	—	—
		φ 0.35 -0.005 BY STEEL GAUGE.	EXTRACTION FORCE 0.2 N MIN	X	—
	[HK SIDE]		INSERTION FORCE N MAX.	—	—
		BY STEEL GAUGE.	EXTRACTION FORCE N MIN	—	—
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : SMPP(FD)-HKP]	INSERTION FORCE 65 N MAX. EXTRACTION FORCE 16 N MIN	X	—
MECHANICAL OPERATION		100 TIMES INSERTIONS AND EXTRACTIONS. [APPLICABLE CONNECTOR : SMPP(FD)-HKP]	1)ELECTRICAL CHARACTERISTIC SHALL BE MET. 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		EXPOSED AT +40 °C, IN HUMIDITY 90~95% FOR 96 h	1)ELECTRICAL CHARACTERISTIC SHALL BE MET. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → --- → +85 → --- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	1)ELECTRICAL CHARACTERISTIC SHALL BE MET. 2) 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
△					
REMARK RoHS COMPLIANT			APPROVED	KH. IKEDA	17.09.08
			CHECKED	TS. NOBE	17.09.08
			DESIGNED	AH. MARUYAMA	17.09.08
			DRAWN	AH. MARUYAMA	17.09.08
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-375383-00-00	
HRS	SPECIFICATION SHEET		PART NO.	SMP-TMJ	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL353-0024-0-00	△ 1/1