


APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C(95%RH MAX)		STORAGE TEMPERATURE RANGE	-40°C TO +85°C(95%RH MAX)		
	POWER	— W		CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 18 GHz)		
	PECULIARITY	—		APPLICABLE CABLE	—		
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		×	×
MARKING		CONFIRMED VISUALLY.				×	×
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT		7 mΩ MAX.	×	×	
		OUTER CONTACT		7 mΩ MAX.	×	×	
INSULATION RESISTANCE	500 V DC.			5000 MΩ MIN.	×	×	
VOLTAGE PROOF	1000 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.	×	×	
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 18 GHz.	VSWR		1.05+0.01f MAX. [f:GHz]	×	—	
INSERTION LOSS	FREQUENCY 0.045 TO 18 GHz			0.05+0.01f dB MAX. [f :GHz]	×	—	
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	MEASURED BY $\phi 1.6 \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}$ STEEL GAUGE.	INSERTION FORCE		N MAX.	—	—	
		EXTRACTION FORCE		1.0 N MIN.	×	×	
	MEASURED BY $\phi 0.91 \begin{smallmatrix} +0.005 \\ 0 \end{smallmatrix}$ STEEL GAUGE.	INSERTION FORCE		N MAX.	—	—	
		EXTRACTION FORCE		1.5 N MAX.	×	×	
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 16 mΩ MAX. OUTER CONTACT 16 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
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 +25 TO +65 °C, 90~96 % TOTAL 10 CYCLES (240 h)		1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 5000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65 → — → +125 → — °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO AIR LEAKAGE.		×	—	
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
0							
REMARK RoHS COMPLIANT			APPROVED	MH. YAMANE	13. 12. 12		
			CHECKED	TS. NOBE	13. 12. 12		
			DESIGNED	TM. YOSHIDA	13. 12. 12		
			DRAWN	TM. YOSHIDA	13. 12. 12		
Unless otherwise specified, refer to JIS C 5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-131549-80		
	SPECIFICATION SHEET		PART NO.	HRM-556SV			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0298-2-00	△	1/1	