

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	50/√f(GHz) W	CHARACTERISTIC IMPEDANCE	50 Ω( 0 TO 12.4 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					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT 7 mΩ MAX.	X	X
			OUTER CONTACT 7 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.		5000 MΩ MIN.	X	X
VOLTAGE PROOF	1000 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 12.4 GHz.		VSWR 1.05+0.01f [f:GHz] MAX.	X	—
INSERTION LOSS	FREQUENCY TO GHz.		dB MAX.	—	—
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	MEASURED BY STEEL GAUGE.		INSERTION FORCE N MAX.	—	—
			EXTRACTION FORCE N MIN.	—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE N MAX.	—	—
			EXTRACTION FORCE N MIN.	—	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 14 mΩMAX. OUTER CONTACT 14 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s <sup>2</sup> AT 4 HOURS FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	1960 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 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 +25 TO +65 °C, 90 ~ 98 % 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.	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 AIR LEAKAGE.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	KY. SHIMIZU	15.02.18
RoHS COMPLIANT			CHECKED	TO. KATAYAMA	15.02.18
			DESIGNED	YI. FUNADA	15.02.18
Unless otherwise specified, refer to JIS C 5402.			DRAWN	YI. FUNADA	15.02.18
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-007206-40-40	
HRS	SPECIFICATION SHEET		PART NO.	HRM-555S (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0125-4-40	△ 1/1