

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	$50 / \sqrt{f(\text{GHz})}$ W		CHARACTERISTIC IMPEDANCE	① 50Ω (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 4 mΩ MAX.	X X
				OUTER CONTACT 4 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. ①	X —
INSERTION LOSS		FREQUENCY 0.045 TO 12.4 GHz		0.05+0.01f [f:GHz] dB MAX. ①	X —
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		MEASURED BY $\phi 0.91^{+0.005}_0$ STEEL GAUGE.		INSERTION FORCE N MAX.	— —
				EXTRACTION FORCE 1.5 N MIN.	X X
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 6 mΩ MAX. CHANGE OUTER CONTACT 6 mΩ MAX. CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 4 HOURS FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
SHOCK		1960 m/s ² 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.	— —
CENTER CONTACT TORQUE RETENTION		CONFIRM TORQUE RETENTION.		TOIRQUE RETENTION : 9.8mN·m MIN.	X —
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
0					
REMARK			APPROVED	I.J. MITANI	06.12.18
RoHS COMPLIANT			CHECKED	KY. SHIMIZU	06.12.15
NOTE ① NOT APPLIED PC BOARD TO MOUNTING PORTION.			DESIGNED	MT. KANEKO	06.12.15
			DRAWN	MT. KANEKO	06.12.15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-010443-40
HRS	SPECIFICATION SHEET		PART NO.	HRM-300-134B (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0296-7-40	△ 1/1