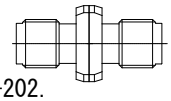
APPLICABLE STANDARD		MIL-STD-348B		
RATING	OPERATING TEMPERATURE RANGE	− 55°C TO + 105°C (95%RH MAX)	STORAGE TEMPERATURE RANGE	− 55°C TO + 50°C (95%RH MAX)
	POWER	——W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 40 GHz)
	PECULIARITY	———	APPLICABLE CABLE	———

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 4 mΩ MAX.	X	X
		OUTER CONTACT 2 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.04 TO 40 GHz [1] TEST METHOD IS Back to Back	VSWR 1.10 MAX. (0.04 to 18 GHz) VSWR 1.15 MAX. (18 to 26.5 GHz) VSWR 1.30 MAX. (26.5 to 40 GHz)	X	—
INSERTION LOSS	FREQUENCY ---- TO ---- GHz	--- dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	$\Phi 0.9195\ ^{0}_{-0.0025}$ BY STEEL GAUGE.	INSERTION FORCE --- N MAX.	—	—
		EXTRACTION FORCE 0.4 N MIN.	X	X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE --- N MAX.	—	—
		EXTRACTION FORCE --- N MIN.	—	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩ MAX. CHANGE OUTER CONTACT 4 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 12 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 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.	—	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT	EXPOSED AT −10 TO +65°C, 90 TO 98 % TOTAL 10 CYCLES (240h)	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → --- → +105 → --- ℃ 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 48h.	NO HEAVY CORROSION.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

REMARK
RoHS COMPLIANT
Note [1] Measurement state of Back to Back.
Port1  Port2
Unless otherwise specified, refer to MIL-STD-202.

APPROVED	KY. SHIMIZU	15.10.22
CHECKED	TO. KATAYAMA	15.10.22
DESIGNED	NK. OOSAWA	15.10.22
DRAWN	NK. OOSAWA	15.10.22

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-366760-12-00

HRS	SPECIFICATION SHEET	PART NO.	HK-R-SR2-1(12)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL338-0003-0-12 ⚠0	1/1

FORM HD0011-2-1