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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

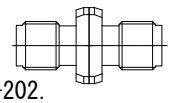
APPLICABLE STANDARD		MIL-STD-348B		
RATING	OPERATING TEMPERATURE RANGE	− 55°C TO + 105°C (95%RH MAX)	STORAGE TEMPERATURE RANGE	− 55°C TO + 50°C (95%RH MAX)
	POWER	——W	CHARACTERISTIC IMPEDANCE	5 0 Ω (0 TO 40 GHz)
	PECULIARITY	———	APPLICABLE CABLE	———

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
⚠1					

REMARK
RoHS COMPLIANT
Note [1] Measurement state of Back to Back.



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