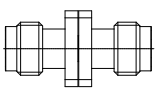
Applicable standard		MIL-STD-348B △1		
Rating	Operating temperature range	-55 °C to +105 °C (95 %RH Max.)	Storage temperature range	-55 °C to +50 °C (95 %RH Max.)
	Power	-- W	Characteristic impedance	50 Ω(0 ～ 50 GHz)(Note 4) △1
	Peculiarity	----	Applicable cable	----

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
ELECTRICAL 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.	5000 MΩ Min.	X	X
Withstanding voltage	500 V AC for 1 min. current leakage 2 mA Max.	No flashover or breakdown.	X	X
Voltage standing wave ratio (Impedance 42.5Ω PCB) △1	Frequency 0 ～ 50 GHz	VSWR 1.5 Max.(Note 2)	X	—
Voltage standing wave ratio (back to back) ◁1	Frequency 0 ～ 40 GHz.	VSWR 1.4 Max.	X	—
	Frequency 40 ～ 50GHz	VSWR 1.75 Max.		
Insertion loss	Frequency - ～ - GHz.	--- dB Max.	—	—
MECHANICAL CHARACTERISTICS				
Contact insertion and extraction forces	φ 0.495 $^{+0}_{-0.005}$ by steel gauge.	Insertion force --- N Max.	—	—
		Extraction force 0.2～2 N.	X	X
Insertion and extraction forces	Measured by applicable connector.	Insertion force --- N Max.	—	—
		Extraction force --- N Min.	—	—
Mechanical operation	500 times insertion and extractions.	1)Contact resistance: Center contact 6 mΩ Max. Outer contact 4 mΩ Max. 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 10 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	—
Shock	980 m/s^2 directions of pulse 6 ms at 3 times for 3 directions.		X	—
ENVIRONMENTAL CHARACTERISTICS				
Damp heat	Exposed at -10 to +65 °C, 90 to 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 -55 → - → +105 → - °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.	1)Contact resistance: Center contact 6 mΩ Max. Outer contact 4 mΩ Max.	X	—

	Count	Description of revisions	Designed	Checked	Date
△	5	DIS-D-00001726	TP.MATSUMOTO	TS.NOBE	16.12.08

Remark
RoHS Compliant
Note 1 Measurement state of back to back. Port1  Port2

Note 2 The actual value rather than guarantee value.
△1 Note 3 This connector should be used for test port only.
△1 Note 4 This connector is optimized for impedance 42.5Ω signal line.
Unless otherwise specified, refer to IEC 60512.

Approved	KY.SHIMIZU	16.06.08
Checked	KY.SHIMIZU	16.06.08
Designed	TP.MATSUMOTO	16.06.08
Drawn	TP.MATSUMOTO	16.06.08

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

HRS	Drawing No.	ELC-368164-00-00	
SPECIFICATION SHEET	Part No.	H2.4-R-SR2-IN	
HIROSE ELECTRIC CO., LTD.	Code No.	CL338-0602-0-00	△ 1/1

FORM HD0011-2-1