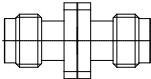


Applicable standard		MIL-STD-348B 					
Rating	Operating temperature range	-55 °C to +105 °C (95 %RH Max.)		Storage temperature range	-55 °C to +50 °C (95 %RH Max.)		
	Power	-- W		Characteristic impedance	50 Ω(0 ~ 50 GHz)(Note 4) 		
	Peculiarity	----		Applicable cable	----		
SPECIFICATIONS							
ITEM		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 42.5 Ω PCB) 		Frequency 0 ~ 50 GHz		VSWR 1.5 Max.(Note 2)	X	—	
Voltage standing wave ratio (back to back) 		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.	X	—	
				2)No damage, crack and looseness of parts.			
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.	X	—	
				2)No damage, crack and looseness of parts.			
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				Approved	KY.SHIMIZU	16.06.08	
RoHS Compliant				Checked	KY.SHIMIZU	16.06.08	
Note  Measurement state of back to back.  Port1 Port2				Designed	TP.MATSUMOTO	16.06.08	
Note 2 The actual value rather than guarantee value.				Drawn	TP.MATSUMOTO	16.06.08	
 Note 3 This connector should be used for test port only.							
 Note 4 This connector is optimized for impedance 42.5 Ω signal line.							
Unless otherwise specified, refer to IEC 60512.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.		ELC-368164-17-00			
		SPECIFICATION SHEET		Part No. H2.4-R-SR2-IN(17)			
HIROSE ELECTRIC CO., LTD.		Code No.		CL338-0602-0-17  1/1			