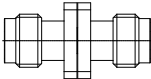



Applicable standard		MIL-STD-348B \triangle			
Rating	Operating temperature range	-55 °C to +105 °C (95 %RH Max.)	Storage temperature range	-55 °C to +50 °C (95 %RH Max.)	
	Power	-- W	Characteristic impedance	50 Ω (0 ~ 50 GHz)(Note 4) \triangle	
	Peculiarity	----	Applicable cable	----	
SPECIFICATIONS					
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 m Ω Max.	X	X
			Outer contact 2 m Ω Max.	X	X
Insulation resistance	500 V DC.		5000 M Ω 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) \triangle	Frequency 0 ~ 50 GHz		VSWR 1.5 Max.(Note 2)	X	—
Voltage standing wave ratio (back to back) \triangle	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 m Ω Max. Outer contact 4 m Ω 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 μ s. 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.				
ENVIRONMENTAL CHARACTERISTICS					
Damp heat	Exposed at -10 to +65 °C, 90 to 98 % total 10 cycles.(240 h)		1)Insulation resistance: 100 M Ω Min. (at high humidity) 2) Insulation resistance: 5000 M Ω Min. (at dry) 3)No damage, crack and looseness of parts.	X	—
Rapid change of temperature	Temperature -55 \rightarrow - \rightarrow +105 \rightarrow - °C Time 30 \rightarrow 3 \rightarrow 30 \rightarrow 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 m Ω Max.	X	—
			Outer contact 4 m Ω Max.		
Count	Description of revisions		Designed	Checked	Date
\triangle 5	DIS-D-00001726		TP.MATSUMOTO	TS.NOBE	16.12.08
Remark			Approved	KY.SHIMIZU	16.06.08
RoHS Compliant Note \triangle 1 Measurement state of back to back.  Port1 Port2			Checked	KY.SHIMIZU	16.06.08
Note 2 The actual value rather than guarantee value.			Designed	TP.MATSUMOTO	16.06.08
\triangle Note 3 This connector should be used for test port only.			Drawn	TP.MATSUMOTO	16.06.08
\triangle 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-368164-16-00	
	SPECIFICATION SHEET		Part No.	H2.4-R-SR2-IN(16)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-0602-0-16	\triangle