

Applicable standard		MIL-STD-348B			
Rating	Operating temperature range	△ -55 °C to +125 °C ( 95 %RH Max.)		Storage temperature range	
	Power	-- W	Characteristic impedance	-20 °C to +70 °C ( 90 %RH Max.) 50 Ω ( 0 to 30 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.			— —	
ELECTRICAL CHARACTERISTICS					
Contact resistance	100 mA (DC or 1000 Hz)		Center contact 6 mΩ Max. Outer contact 6 mΩ Max.	X X	
Insulation resistance	500 V DC.		1000 MΩ Min.	X X	
Withstanding voltage	500 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X X	
V.S.W.R. 	Frequency 0 to 30 GHz.		V.S.W.R. 1.5 Max.	X —	
Insertion loss	Frequency - to - GHz.		--- dB Max.	— —	
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces	φ --- by steel gauge.		Insertion force --- N Max. Extraction force --- N Min.	— —	
Insertion and extraction forces 	Measured by applicable connector. [SMPJ-HKJ]		Insertion force 65 N Max. Extraction force 16 N Min.	X X	
Mechanical operation 	100 times insertion and extractions.		1) Contact resistance: Center contact 12 mΩ Max. Outer contact 12 mΩ Max. 2) No damage, crack and looseness of parts.	X —	
Vibration 	Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s <sup>2</sup> at 10 cycles for 3 directions.		1) No electrical discontinuity of 1 μs. 2) No damage, crack and looseness of parts.	X —	
Shock 	490 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 3 directions.			X —	
Cable clamp strength (Against cable pull)	Using a pulling tester, pull the cable axially at a rate of --- mm/min. and record the strength at which the cable or connector breaks.		--- N Min.	— —	
ENVIRONMENTAL CHARACTERISTICS					
Damp heat 	Exposed at +25 to +65 °C, 90 to 98 % total 10 cycles. ( 240 h)		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 → - → +125 → - °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.		V.S.W.R. 1.5 Max. [0 to 30 GHz]	X —	
Count	Description of revisions		Designed	Checked	
	DIS-D-00003210		TK.SAWAGUCHI	KY.SHIMIZU	
Remark			Approved	TO.KATAYAMA	
RoHS COMPLIANT			Checked	KY.SHIMIZU	
Note 	The characteristic after mounting on the board.		Designed	TK.SAWAGUCHI	
Unless otherwise specified, refer to IEC 60512.			Drawn	TK.SAWAGUCHI	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test	Drawing No.		ELC-373487-01-00		
	SPECIFICATION SHEET		Part No.		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1102-0-01	
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