

Applicable standard					
Rating	Operating temperature range	-40 °C to +105 °C ( 90 %RH Max.)	Storage temperature range	-20 °C to +70 °C ( 90 %RH Max.)	
	Power	-- W	Characteristic impedance	75Ω ( 0 to 12 GHz)	
	Peculiarity	----	Matching plug	D.FL75-LP(P)-***	
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		10 mA Max.(DC or 1000 Hz)		Center contact 50 mΩ Max.	X   --
				Outer contact 20 mΩ Max.	X   --
Insulation resistance		100 V DC.		500 MΩ Min.	X   --
Withstanding voltage		200 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.	X   --
Voltage standing wave ratio (Return Loss)		Frequency 0 to 3 GHz. Frequency 3 to 12GHz.		VSWR 1.3 Max.(17.7dB Min.) VSWR 1.5 Max.(13.9dB Min.)	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.		Insertion force --- N Max. Extraction force --- N Min.	--   --
Mechanical operation		20 times insertion and extractions.		1)Contact resistance: Center contact 55 mΩ Max. Outer contact 25 mΩ Max. 2)No damage, crack and looseness of parts.	X   --
Vibration		Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s <sup>2</sup> at 5 cycles for 3 directions.		1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X   --
Shock		735 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 6 directions.			X   --
ENVIRONMENTAL CHARACTERISTICS					
Damp heat		Exposed at +40 °C, 95 % total -- cycles.( 96 h)		1)Insulation resistance: 10 MΩ Min. (at high humidity) 2) Insulation resistance: 500 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X   --
Rapid change of temperature		Temperature -40 → - → +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.		VSWR 1.3 Max. (Frequency 0 to 3 GHz.) 1.5 Max. (Frequency 3 to 12 GHz.)	X   --
Notes 1) Measuring circuit					
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Count	Description of revisions		Designed	Checked	Date
△					
Remark				Approved	NK.NINOMIYA
1. The quantity of this product is 5000 connectors per reel.				Checked	NK.NINOMIYA
				Designed	MT.KANEKO
Unless otherwise specified, refer to IEC 60512.				Drawn	YK.KIUCHI
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-375162-40-00	
HRS	SPECIFICATION SHEET		Part No.	D.FL75-R-SMT-1(40)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL331-0079-0-40	△ 1/1