





 Redraw.

Applicable standard					
Rating	Operating temperature range	-40 °C to +85 °C (90 %RH Max.)	Storage temperature range	-40 °C to +85 °C (90 %RH Max.)	
	Power	- W	Characteristic impedance	50 Ω (0 to 12 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		- mA Max. (DC or - Hz)		Center contact - mΩ Max.	- -
				Outer contact - mΩ Max.	- -
Insulation resistance		100 V DC.		500 MΩ Min.	X -
Withstanding voltage		250 V AC for 60 sec current leakage 2 mA Max.		No breakdown.	X -
Voltage standing wave ratio		Frequency 0 to 10 GHz.		VSWR 1.3 Max.	X -
		Frequency 10 to 12 GHz.		VSWR 1.5 Max.	
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		200 times insertion and extractions. (ML51) 100000 times insertion and extractions. (X.FL)		No damage, crack and looseness of parts.	X -
Vibration		Frequency - to - Hz single amplitude - mm, - m/s ² at - cycles for - directions.		1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	- -
Shock		- m/s ² directions of pulse - ms at - times for - directions.			- -
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 - to - °C, - to - % total - cycles. (- h)		1)Insulation resistance: - MΩ Min. (at high humidity) 2) Insulation resistance: - MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	- -
Rapid change of temperature		Temperature - → - → - → - °C Time - → - → - → - min Under - cycles.		No damage, crack and looseness of parts.	- -
Corrosion salt mist		Exposed in 5 % salt water spray for 48 h.		VSWR 1.3 Max. (Frequency 0 to 10 GHz.) VSWR 1.5 Max. (Frequency 10 to 12 GHz.)	X -
	Count	Description of revisions		Designed	Checked
	1	DIS-D-00017761		MK.INOUE	NK.NINOMIYA
Remark				Approved	MH.YAMANE
				Checked	NK.NINOMIYA
				Designed	YI.FUNADA
				Drawn	RO.YOKOYAMA
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.	
				ELC4-351202-00	
		SPECIFICATION SHEET		Part No.	
		HIROSE ELECTRIC CO., LTD.		X.FLP-ML51.J-PA(F)-ST	
		Code No.		CL0311-0469-3-00	
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