


Applicable standard					
Rating	Operating temperature range	-40 °C to +105 °C (95 %RH Max.)	Storage temperature range	-40 °C to +85 °C (95 %RH Max.)	
	Power	- W	Characteristic impedance	75 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		100 mA Max.(DC or 1000 Hz)	Center contact 56 mΩ Max. Outer contact 23 mΩ Max.	X	X
Insulation resistance		100 V DC.	500 MΩ Min.	X	X
Withstanding voltage		200 V AC for 1 min. current leakage 2 mA Max.	No breakdown.	X	X
Voltage standing wave ratio (Return Loss)		Frequency 0 to 3 GHz. 3 to 12 GHz	VSWR 1.3 Max. (17.7 dB Min.) VSWR 1.5 Max. (13.9 dB Max.)	X	-
Insertion loss		Frequency - to - GHz.	- dB Max.	-	-
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces (IEC standard)		After one mating of $\phi 0.39^{+0.005}_0$ by steel gauge, Measurement with $\phi 0.36^{+0.005}_0$ by steel gauge (MBNC side)	Insertion force - N Max. Extraction force 0.16 N Min.	-	-
Insertion and extraction forces		Measured by applicable connector.	Insertion force - N Max. Extraction force - N Min.	-	-
Mechanical operation		500 times insertion and extractions.(MBNC side) 20 times insertion and extractions.(D.FL75 side)	1)Contact resistance: Center contact 70 mΩ Max. Outer contact 34 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 ² at 5 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	-
Shock		500 m/s ² 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 +40 °C, 90 to 95 % total 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 GHz Max.(0 to 3 GHz) 1.5 GHz Max.(3 to 12 GHz)	X	-
	Count	Description of revisions	Designed	Checked	Date
△					
Remark			Approved	NK.NINOMIYA	20220512
			Checked	MT.KANEKO	20220512
			Designed	YK.KIUCHI	20220512
			Drawn	YK.KIUCHI	20220512
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-393559-01-00	
	SPECIFICATION SHEET		Part No.	MBNC(75)J-D.FL75J-BPA(01)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0311-0036-0-01	△ 1/1