

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	75 Ω(0 to 12 GHz)	
	Peculiarity	-	Applicable cable	3.3C-UHDG, 3.3C-UHDW (HIRAKAWA HEWTECH CORP.)	
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 8 mΩ Max.		X	X
		Outer contact 8 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
Voltage standing wave ratio	Frequency 0 to 3 GHz.	VSWR 1.29 Max. (18 dB Min.)		X	-
	Frequency 3 to 12 GHz.	VSWR 1.43 Max. (15 dB Min.)			
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	5000 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 ² 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 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 30 mm/min. and record the strength at which the cable or connector breaks.	49 N Min.		X	-
ENVIRONMENTAL CHARACTERISTICS					
Damp heat	Exposed at +25 to +65 °C, 90 to 96 % 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 -40 → - → +85 → - °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 1.29 Max. (Frequency 0 to 3 GHz.) VSWR 1.43 Max. (Frequency 3 to 12 GHz.)		X	-
Count	Description of revisions		Designed	Checked	Date
					
Remark			Approved	TO.KATAYAMA	20190520
Note  Standard of connector without cable.			Checked	TO.KATAYAMA	20190520
			Designed	RO.YOKOYAMA	20190520
Unless otherwise specified, refer to IEC 60512.			Drawn	ST.KISHI	20190520
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-382287-00-00		
	SPECIFICATION SHEET		Part No.	BNC(75)-P-3.3C-12G	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL302-0092-0-00	 1/1