

Applicable standard						
Rating	Operating temperature range	① -40 °C to +85 °C (90 %RH Max.)		Storage temperature range	① -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		Frequency 0 to 3 GHz.		VSWR 1.29 Max. (18 dB Min.)	X	-
wave ratio		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 ① 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		
HRS	SPECIFICATION SHEET		Part No.	BNC(75)-P-3.3C-12G		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL302-0092-0-00	△	1/1