

Applicable standard					
Rating	Operating temperature range	-30 °C to +85 °C ( 95 %RH Max.)	Storage temperature range	-30 °C to +50 °C ( 95 %RH Max.)	
	Power	- W	Characteristic impedance	75 Ω ( 0 to 3 GHz)	
	Peculiarity	-	Applicable cable	1.5C-QEV·CW (Fujikura Ltd.)	
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 6 mΩ Max.	X	X
			Outer contact 6 mΩ Max.	X	X
Insulation resistance	500 V DC.		1000 MΩ Min.	X	X
Withstanding voltage	500 V AC for 60 sec current leakage 2 mA Max.		No breakdown.	X	X
Voltage standing wave ratio	Frequency 0 to 2 GHz.		VSWR 1.2 Max.	X	-
	Frequency 2 to 3 GHz.		VSWR 1.3 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	500 times insertion and extractions.		1)Contact resistance: Center contact 20 mΩ Max. Outer contact 20 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 <sup>2</sup> 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 <sup>2</sup> 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 -30 → - → +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 1.2 Max. (Frequency 0 to 2 GHz.) VSWR 1.3 Max. (Frequency 2 to 3 GHz.)	X	-
	Count	Description of revisions	Designed	Checked	Date
	1	DIS-D-00017412	NK.OOSAWA	NK.NINOMIYA	20231201
Remark			Approved	KY.SHIMIZU	20191121
			Checked	KY.SHIMIZU	20191121
			Designed	RO.YOKOYAMA	20191121
			Drawn	ST.KISHI	20191121
Unless otherwise specified, refer to IEC 60512.					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-305440-00-00	
<b>HRS</b>	SPECIFICATION SHEET		Part No.	BNC(75)-P-1.5CV	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0302-0404-7-00	△ 1/1