

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	----		
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
General examination		Visually and by measuring instrument.		According to drawing.	X	X
Marking		Confirmed visually.			X	X
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 1.32 ⁰ _{-0.005} by steel gauge.		Insertion force --- N Max.	—	—
				Extraction force 0.6 N Min.	X	—
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.	X	—
				2)No damage, crack and looseness of parts.		
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.	X	—
				2)No damage, crack and looseness of parts.		
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 --- mm/min. and record the strength at which the cable or connector breaks.		--- N Min.	—	—
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 ~ 3 GHz.) VSWR 1.43 Max. (Frequency 3 ~12 GHz.)	X	—
Resistance to soldering heat		Preheat condition: Temp.100°Cmax time 2 min max. Solder iron: Temp. 380°C max,time 5 Sec max. Flow soldering : Temp.245°C max,time 5 Sec max.		VSWR 1.29 Max. (Frequency 0 ~ 3 GHz.) VSWR 1.43 Max. (Frequency 3 ~12 GHz.)	X	—
	Count	Description of revisions	Designed	Checked	Date	
△	0					
Remark RoHS COMPLIANT				Approved	TO.KATAYAMA	17.09.01
				Checked	TO.KATAYAMA	17.09.01
				Designed	MA.SAEKI	17.09.01
				Drawn	MA.SAEKI	17.09.01
Unless otherwise specified, refer to IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-377923-00-00		
HRS	SPECIFICATION SHEET		Part No.	BNC(75)-PLR-PC(D)-12G-3		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL302-0088-0-00		
				△	1/1	