

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. 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 --- 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	