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 In case that the application demands a high level of reliability, such as automotive,  
 please contact a company representative for further information.

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.			-	-
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 <sup>0</sup> <sub>-0.005</sub> 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 <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.				
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	Solder iron method ::380°C max,time 5sec. max. Preheat condition:100°C max , 2 min. 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-376949-00-00	
<b>HRS</b>	SPECIFICATION SHEET		Part No.	BNC(75)-PR(6)-PC-12G	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL302-0086-0-00	△ 1/1