

# Tentative Specification (Preliminary)

Control No. : HGC-5021-B

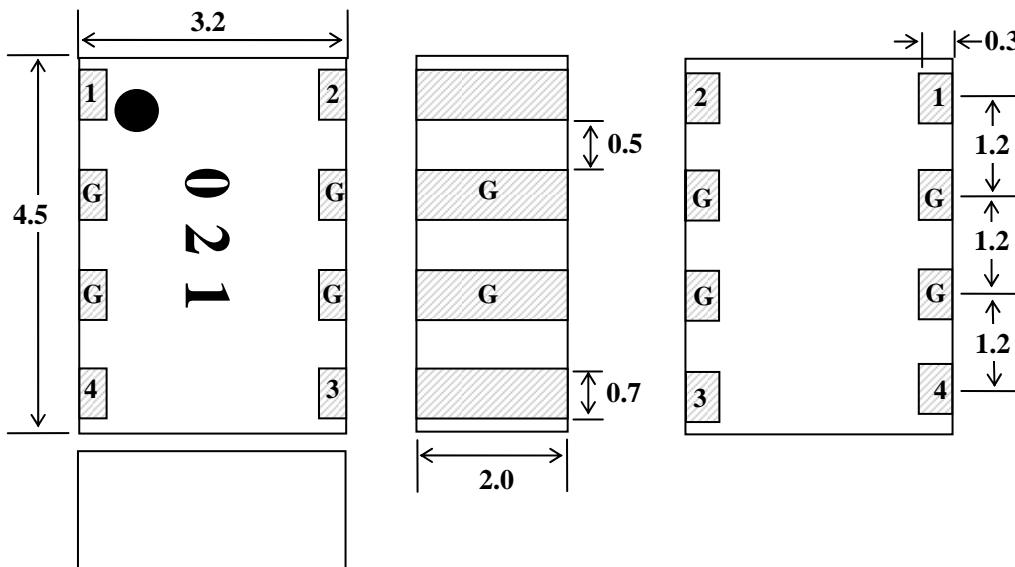
Established on Mar 27, 2013

**1. 900MHz Band 90deg Chip Hybrid Coupler**  
**TYPE No: HGC5021-HYB0900S**

RoHS correspondence article

**2. Appearance and Construction**

**2.1 Dimension (Unit: mm)**



Terminal	
1	IN
2	0 deg OUT
3	90 deg OUT
4	Isolation
G	GND

Tolerance: +/- 0.2

2.2 Body ... Ceramics

2.3 Terminal ... Ni+Sn plating

2.4 Marking ... Abbreviation of Model No. is printed

**3. Absolute Maximum Ratings**

- 3.1 Input Power(W Avg/CW Ta=25degC) : 40  
 3.2 Operating Temperature (degC) : -40 ~ 125  
 3.3 Storage Temperature (degC) : -40 ~ 85  
 (-20 ~ 35degC for tape and reel materials)

**4. Target Electrical Characteristics (-40~125degC)**

Item	Target Specifications
4.1 Nominal Impedance (Ohm)	50
4.2 Frequency Range (MHz)	690 ~ 1000
4.3 Insertion Loss (dB MAX)	0.25 (TYP. 0.19)
4.4 Amplitude Level Balance (dB MAX)	0.45
4.5 Phase Balance(deg)	90+/-3
4.6 V.S.W.R (MAX)	1.2
4.7 Isolation (dB MIN)	20

**5. Note**

**5.1 Number of pieces ordered**

At least 1,000 pieces must be ordered for serial production.

\*Specifications of products are subject to change without notice