

# Tentative Specification (Preliminary)

Control No. : HGC-03302-C

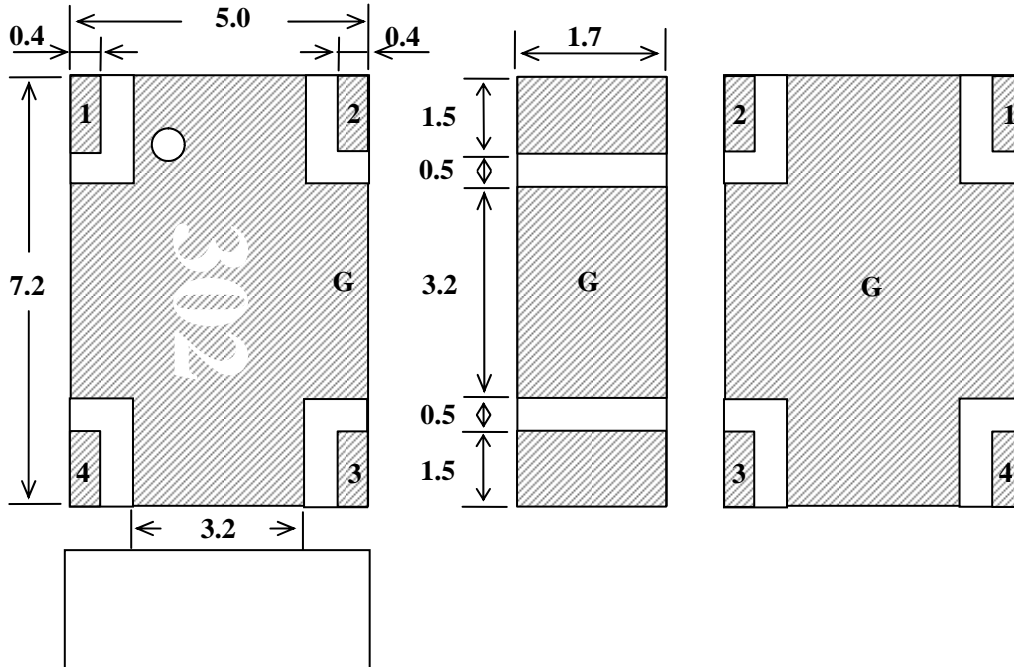
Established on May 27, 2013

## 1. 2000MHz Band 30dB Chip Directional Coupler

1.1 TYPE No. : HGC3302-30M2000      RoHS correspondence article

## 2. Appearance and Construction

### 2.1 Dimension (Unit: mm)



Terminal	
1	IN
2	OUT
3	Isolation
4	Coupling
G	GND

Tolerance: +/-0.3

2.2 Body ... Ceramics

2.3 Terminal ... Ni+Sn plating

2.4 Marking ... Abbreviation of Model No.

## 3. Absolute Maximum Ratings

3.1 Input Power (W Avg/CW Ta= 25degC) : 300

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)

4.1 Nominal Impedance (Ohm)	50	
4.2 Frequency Range (MHz)	1700 ~ 2300	2300 ~ 2700
4.3 Insertion Loss (dB MAX)	0.1 (TYP. 0.03)	0.12 (TYP. 0.05)
4.4 Coupling (BW) (dB)	30.0+/-1.5	31.0+/-2.5
4.5 Coupling Inclination (dB MAX) (Coupling(Max)-Coupling(Mean))	0.2	0.75
4.6 V.S.W.R (MAX)	1.2	1.28
4.7 Directivity (dB MIN)	20	15

## 5. Note

5.1 Number of pieces ordered

At least 500 pieces must be ordered for serial production.

\*Specifications of products are subject to change without notice