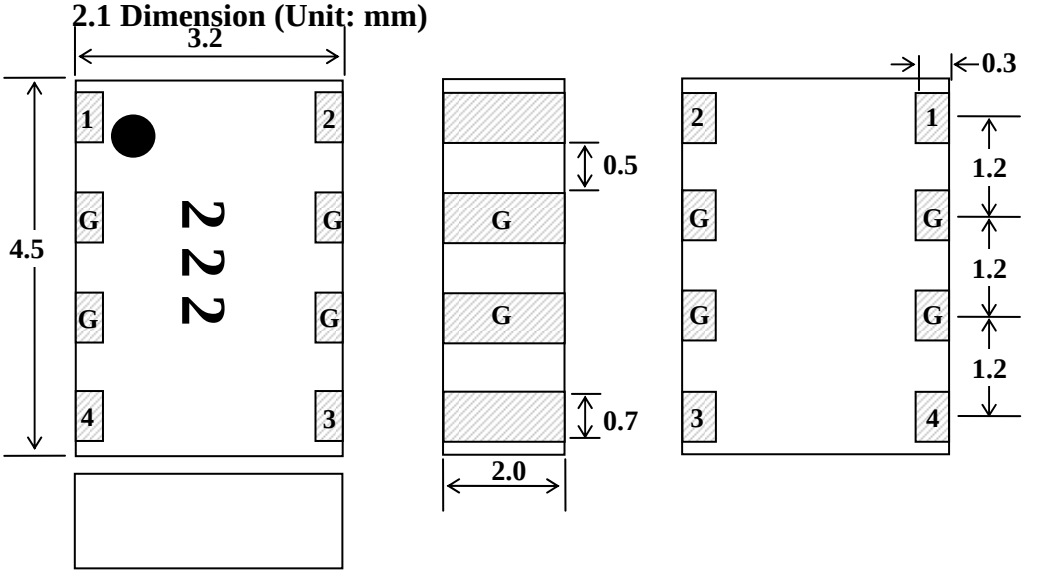
Tentative Specification (Preliminary)	Control No. : HGC-05222-E
	Established on Aug 8, 2013

1. 2000MHz Band 20dB Chip Directional Coupler

1.1 TYPE No. : HGC5222-20M2000S RoHS correspondence article

2. Appearance and Construction

2.1 Dimension (Unit: mm)



Terminal	
1	IN
2	OUT
3	Isolation
4	Coupling
G	GND

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) : 80

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)	1700 ~ 2200
4.3 Insertion Loss (dB MAX)	0.1 (typ. 0.05dB)
4.4 Coupling (dB)	20+/-1.5
4.5 V.S.W.R (MAX)	1.22
4.6 Directivity (dB MIN)	20
4.7 Coupling Inclination (dB MAX) [Coupling(max)-Coupling(mean)]	0.9

5. Note

5.1 Number of pieces ordered

At least 1000 pieces must be ordered for serial production.

***Specifications of products are subject to change without notice**