

Tentative Specification (Preliminary)

Control No. : HGC-5024-A

Established on May 8, 2013

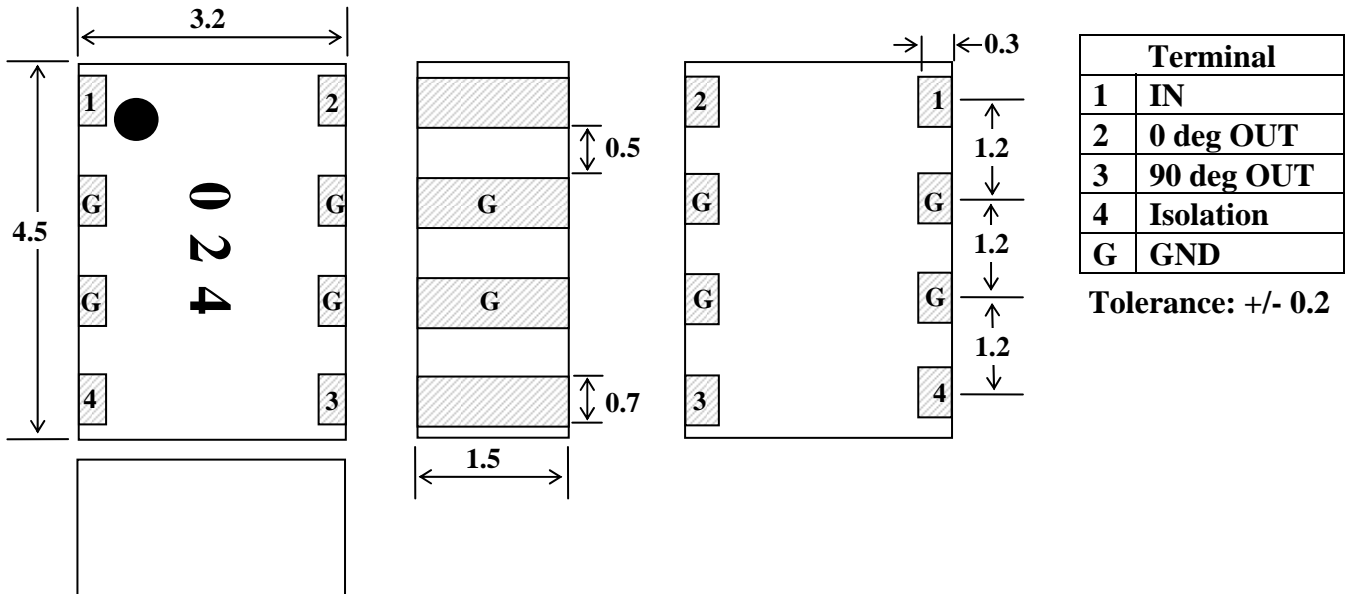
1. 1450MHz Band 90deg Chip Hybrid Coupler

TYPE No: HGC5024-HYB1450S

RoHS correspondence article

2. Appearance and Construction

2.1 Dimension (Unit: mm)



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 Specifications1	Target Specifications2
4.1 Nominal Impedance (Ohm)	50	
4.2 Frequency Range (MHz)	1200 ~ 1300	1300 ~ 1700
4.3 Insertion Loss (dB MAX)	0.25 (TYP. 0.13)	
4.4 Amplitude Level Balance (dB MAX)	0.55	0.4
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