

# Product Information

Control No. : GSC-7555-A 1

Established on Jul. 13, 2006

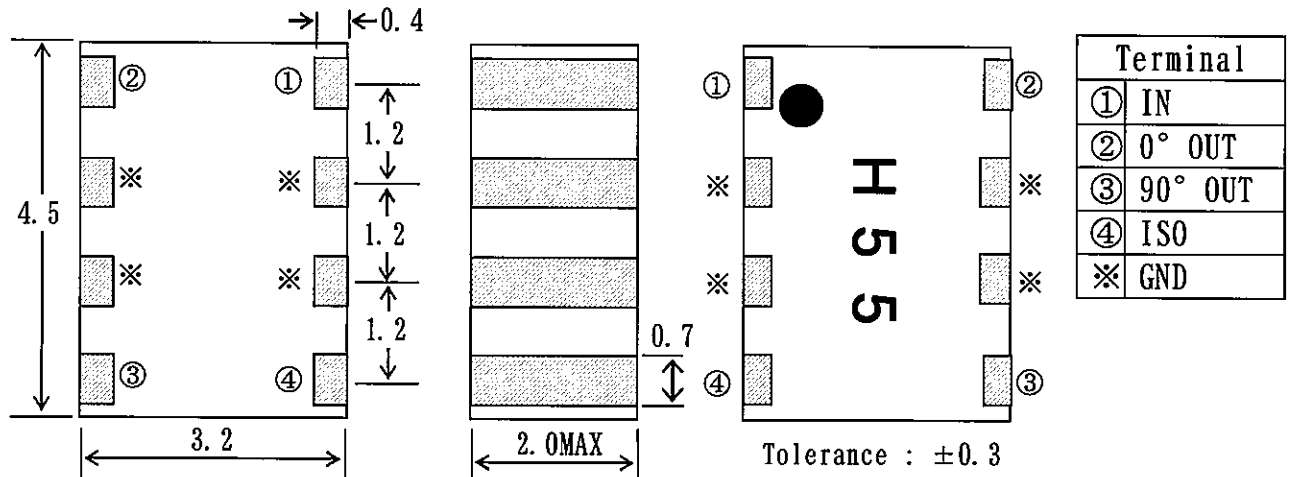
## 1. 2.15GHz Band 3dB Chip Coupler

TYPE No. : GSC555-HYB2150A

RoHS correspondence article

## 2. Appearance and Construction

### 2.1 Dimension (Unit : mm)



### 2.2 Construction

Body ... Ceramics

Terminal ... Ni+Au plating

### 2.3 Marking ... Abbreviation of Model No. is printed

## 3. Target Electrical Characteristics

- |                             |                              |  |
|-----------------------------|------------------------------|--|
| 3.1 Impedance               | : 50Ω Nominal                |  |
| 3.2 Frequency Range         | : 2100~2200MHz               |  |
| 3.3 Insertion Loss          | : 0.25dB MAX<br>(TYP. 0.2dB) | $\left[ \frac{ S_{21}  +  S_{31} }{2} - 3 \right]$ (at 25°C) |
| 3.4 Amplitude Level Balance | : 0.35dB MAX                 | (-40~125°C)  |
|                             | : 0.45dB MAX                 | $ S_{21} - S_{31} $ (at 25°C)                                |
| 3.5 Phase Balance           | : 90±3°                      | (-40~125°C)  |
| 3.6 V. S. W. R              | : 1.2 MAX                    |  |
| 3.7 Isolation               | : 20dB MIN                   |  |

## 4. Note

### 4.1 Number of pieces ordered

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

### 4.2 Input Power : 40W MAX

### 4.3 Operating Temperature : -40 ~ 125°C

### 4.4 Storage Temperature : -40 ~ 85°C

(-20 ~ 35°C for tape and reel materials)

※Specifications of products are subject to change without notice

SOSHIN ELECTRIC CO., LTD.