

# Product Information

Control No : GSC-7551-A 1/5

Established on Jul. 13, 2006

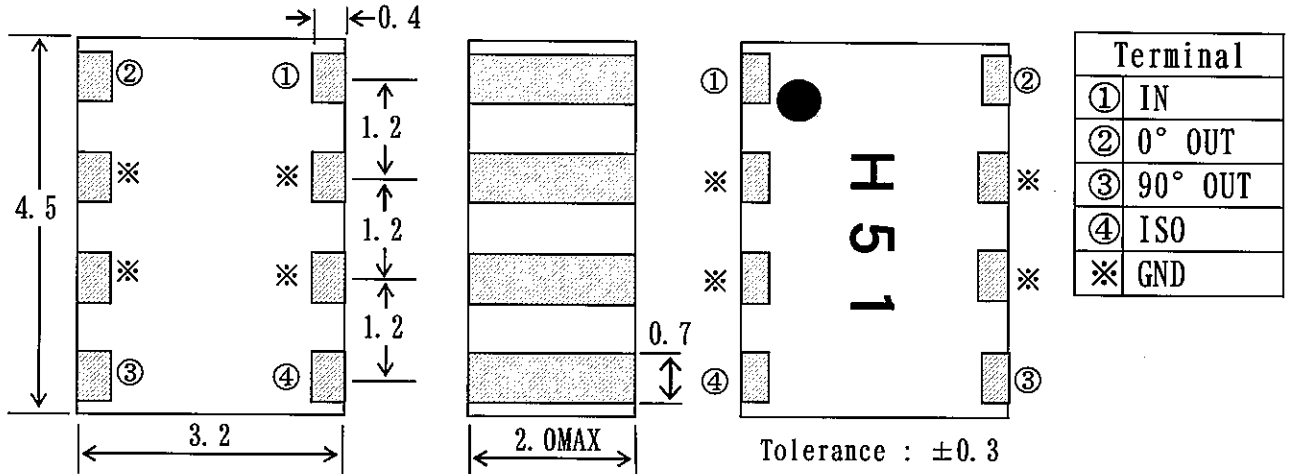
## 1. 1.9GHz Band 3dB Chip Coupler

TYPE No : GSC551-HYB1900A

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         | : 1800~2000MHz |  |
| 3.3 Insertion Loss          | : 0.25dB MAX   | $\left( \frac{ S21  +  S31 }{2} - 3 \right)$ (at 25°C) |
|                             | (TYP. 0.2dB)   |  |
| 3.4 Amplitude Level Balance | : 0.35dB MAX   | (-40~125°C)  |
|                             | : 0.45dB MAX   | S21-S31  (at 25°C)                                     |
|                             |                | (-40~125°C)  |
| 3.5 Phase Balance           | : 90±3°        |  |
| 3.6 V. S. W. R              | : 1.28 MAX     |  |
| 3.7 Isolation               | : 18dB 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.