

# Product Information

Control No. : GSC-7552-A 1/5

Established on Jul. 13, 2006

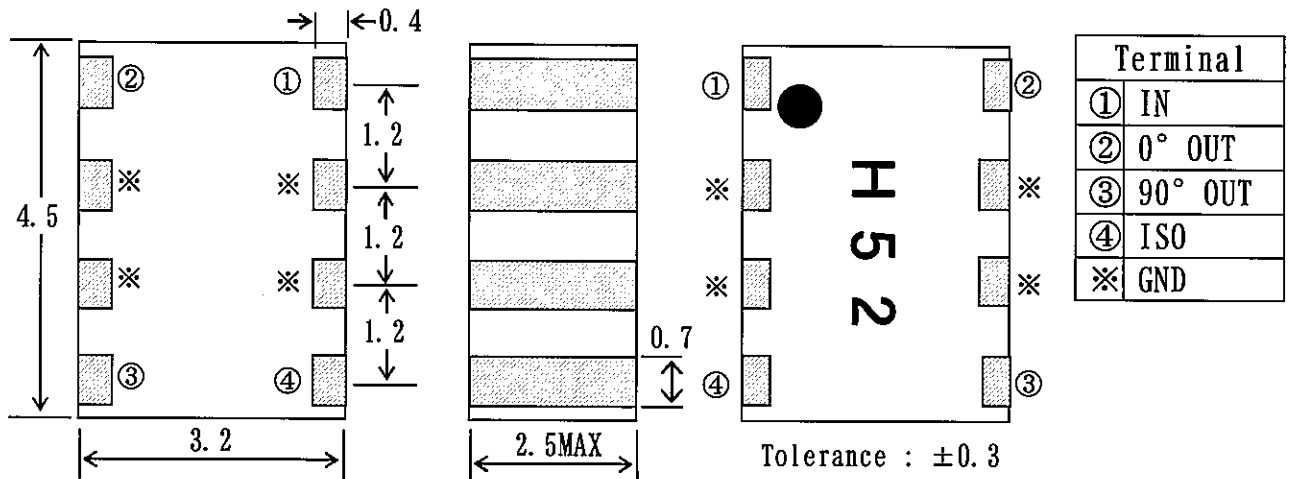
## 1. 900MHz Band 3dB Chip Coupler

TYPE No. : GSC552-HYB0900A

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 : 810~960MHz
- 3.3 Insertion Loss : 0.3dB MAX  $\left( \frac{|S_{21}| + |S_{31}|}{2} - 3 \right)$  (at 25°C)  
(TYP. 0.25dB)
- 3.4 Amplitude Level Balance : 0.4dB MAX (-40~125°C)  
: 0.35dB MAX  $|S_{21} - S_{31}|$  (at 25°C)  
: 0.45dB MAX (-40~125°C)
- 3.5 Phase Balance : 90±3°
- 3.6 V. S. W. R : 1.35 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.