

# Product Information

Control No : GSC-0251-K 1/5

Established on Feb. 15, 2005

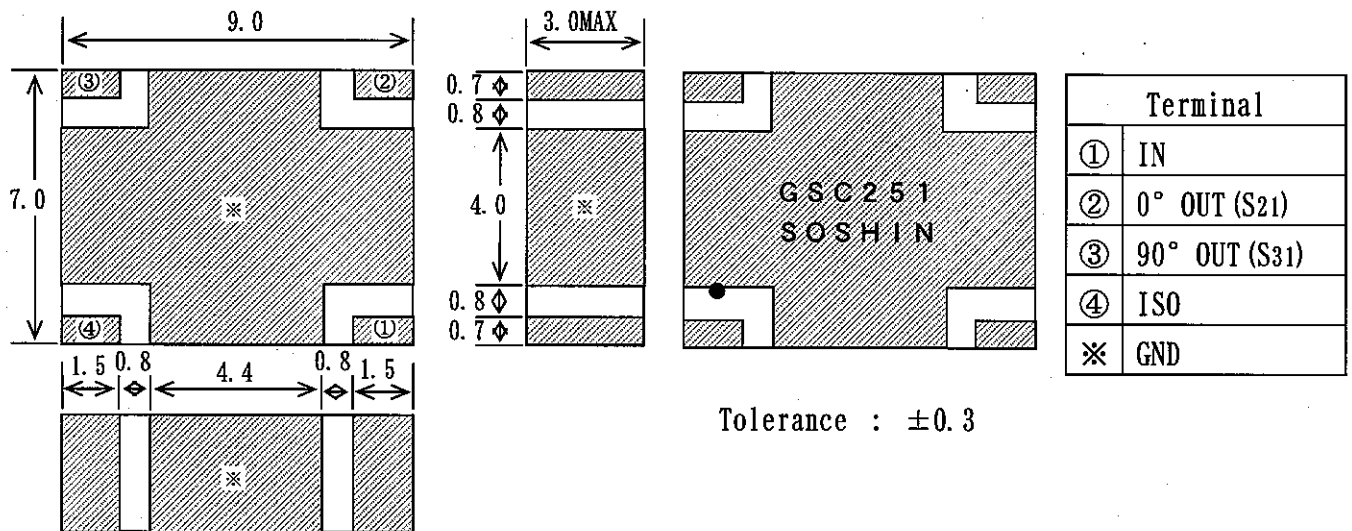
## 1. 1.9GHz Band 90° Chip Hybrid Coupler

TYPE No : GSC251-HYB1900

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. and trademark is printed

## 3. Absolute Maximum Ratings

3.1 Input Power : 350W Ave/CW

3.2 Operating Temperature : -40 ~ 125°C

3.3 Storage Temperature : -40 ~ 85°C

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

## 4. Electrical Characteristics

4.1 Impedance : 50Ω Nominal

4.2 Frequency Range : 1800~2000MHz

4.3 Insertion Loss : 0.15dB MAX (TYP. 0.1dB)  $\left[ \frac{|S21| + |S31|}{2} - 3 \right]$  (at 25°C)

4.4 Amplitude Level Balance : 0.25dB MAX (-40~125°C)

4.4 Amplitude Level Balance : 0.2dB MAX |S21-S31| (at 25°C)

4.4 Amplitude Level Balance : 0.3dB MAX (-40~125°C)

4.5 Phase Balance : 90±3°

4.6 V. S. W. R : 1.20 MAX

4.7 Isolation : 23dB MIN