

## GSC303-30M0900

900MHz Band 30dB Chip Coupler

[Inquire](#)

Compact & High power capability.

### Application

for RF power amplifier (Base station)

### Characteristics

#### GSC303-30M0900

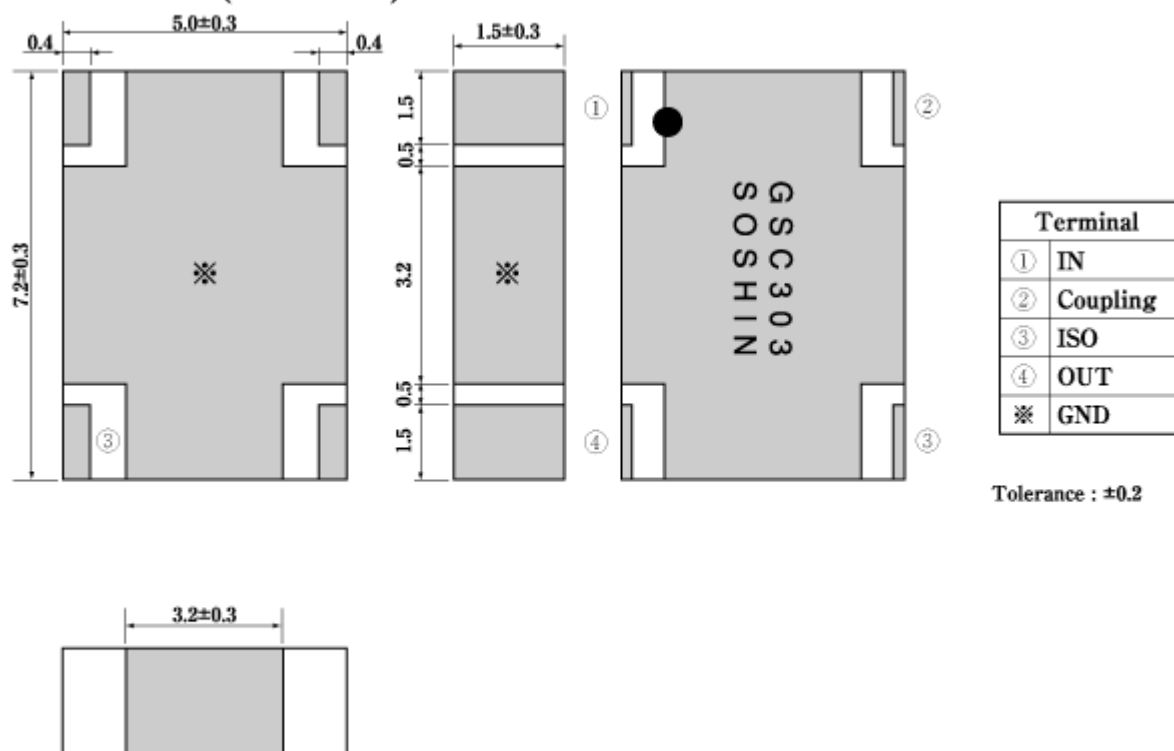
|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Zin/Zout              | 50 ohm Nominal                                   |
| Frequency Range       | 800-1000MHz                                      |
| Insertion Loss        | 0.2dB max at 25 Deg.C                            |
| Coupling              | 30.3+/-1.5dB                                     |
| V.S.W.R               | 1.18 max                                         |
| Directivity           | 20dB min                                         |
| Input Power           | 200W Avg/CW                                      |
| Operating Temperature | -40 up to 125 Deg.C                              |
| Storage Temperature   | -40 up to 85 Deg.C                               |
|                       | (-20 up to 35 Deg.C for tape and reel materials) |

### Number of ordered pieces

1000pcs/Reel

### Dimensions

## Dimension (Unit : mm)



## Measurement circuit

### 1. Note

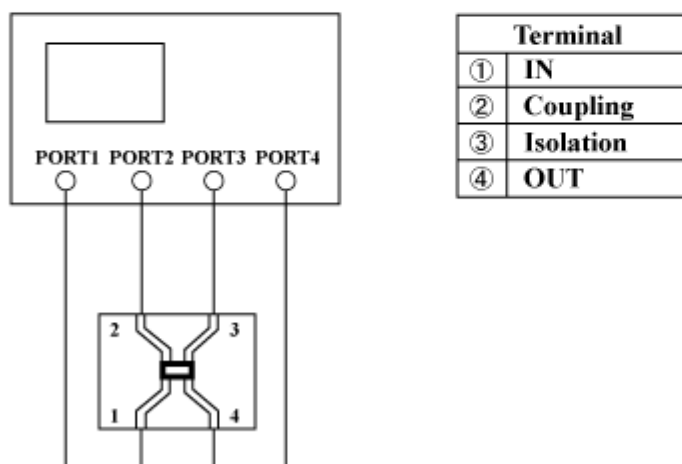
#### Heat Dissipation

Please let me emit sufficient heat so that product surface temperature may become quantity fewer than 120deg, and use it.

### 2. Measuring Circuit

All items of electrical characteristics shall be measured on test fixture which is decided by supplier.

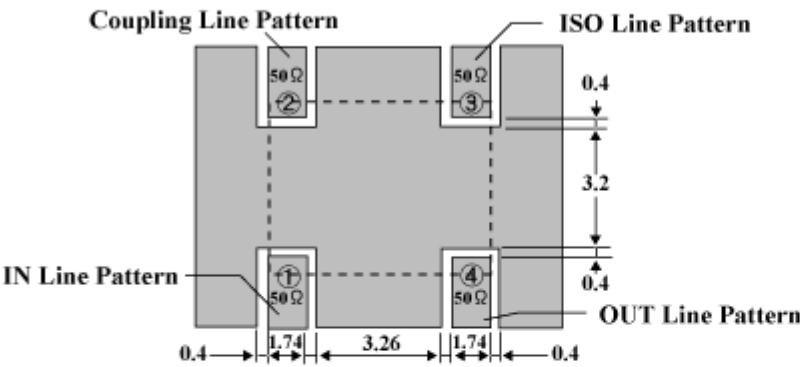
### Network analyzer



## Recommended pattern (Unit:mm)

# Measurement board pattern

(Example :  $\epsilon = 2.6$ ,  $t = 0.8\text{mm}$  Double side printed circuit board)



| Terminal |          |
|----------|----------|
| ①        | IN       |
| ②        | Coupling |
| ③        | ISO      |
| ④        | OUT      |
| ※        | GND      |

