

# Product Information

Control No : GSC-0351-K 1/5

Established on Feb. 15, 2005

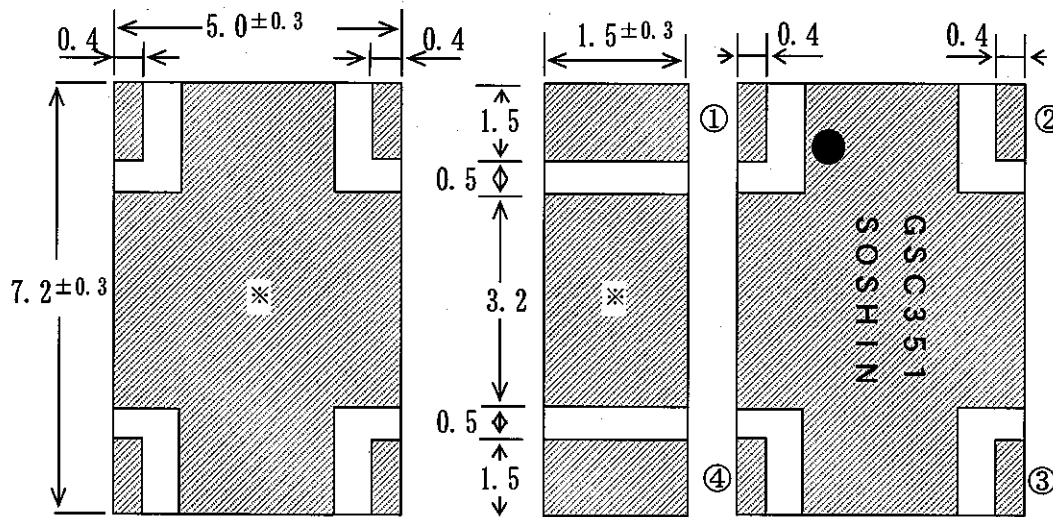
## 1. 1.9GHz Band 90° Chip Hybrid Coupler

TYPE No : GSC351-HYB1900

RoHS correspondence article

## 2. Appearance and Construction

### 2.1 Dimension (Unit : mm)



Terminal	
①	IN
②	0° OUT (S21)
③	90° OUT (S31)
④	ISO
※	GND

Tolerance: ±0.2

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 : 200W Avg/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	:	0.2dB MAX (TYP. 0.16dB)	$\left[ \frac{ S21  +  S31 }{2} - 3 \right]$ (at 25°C)
4.4 Amplitude Level Balance	:	0.3dB MAX	(-40~125°C)
	:	0.2dB MAX	$ S21-S31 $ (at 25°C)
	:	0.3dB MAX	(-40~125°C)
4.5 Phase Balance	:	90±2°	
4.6 V. S. W. R	:	1.18 MAX	
4.7 Isolation	:	23dB MIN	