

# Product Information

Control : GSC-1351-B 1/5

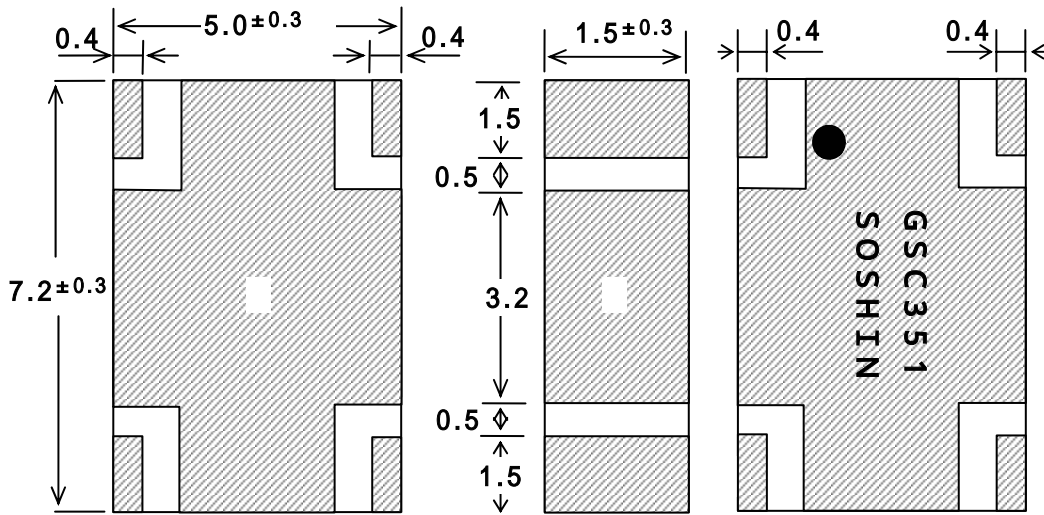
Established on Apr.01, 2005

## 1. 1.75GHz Band 90 ° Chip Hybrid Coupler

TYPE : GSC351-HYB1750 RoHS correspondence article

## 2. Appearance and Construction

### 2.1 Dimension (Unit : mm)



Terminal	
	IN
	0 ° OUT ( S21 )
	90 ° OUT( S31 )
	ISO
	GND

Tolerance: ± 0.2

### 2.2 Body ... Ceramics

### 2.3 Terminal ... Ni+Sn plating

### 2.4 Marking ... Abbreviation of Model and trademark is printed

## 3. Absolute Maximum Ratings

3.1 Input Power : 200W Avg/CW

3.2 Operating Temperature : -40 ~ 125

3.3 Storage Temperature : -40 ~ 85

( -20 ~ 35 for tape and reel materials )

## 4. Electrical Characteristics

4.1 Impedance : 50 Nominal

4.2 Frequency Range : 1710 ~ 1785MHz

4.3 Insertion Loss : 0.2dB MAX  $\left( \frac{|S21| + |S31|}{2} - 3 \right)$  (at 25 °C )  
(TYP. 0.16dB)

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

4.4 Amplitude Level Balance : 0.3dB MAX  $|S21 - S31|$  (at 25 °C )

4.4 Amplitude Level Balance : 0.4dB MAX (-40 ~ 125 °C )

4.5 Phase Balance : 90 ± 2 °

4.6 V.S.W.R : 1.2 MAX

4.7 Isolation : 18dB MIN