

Product Information

Control No : GSC-0355-N 1/5

Established on Feb. 15, 2005

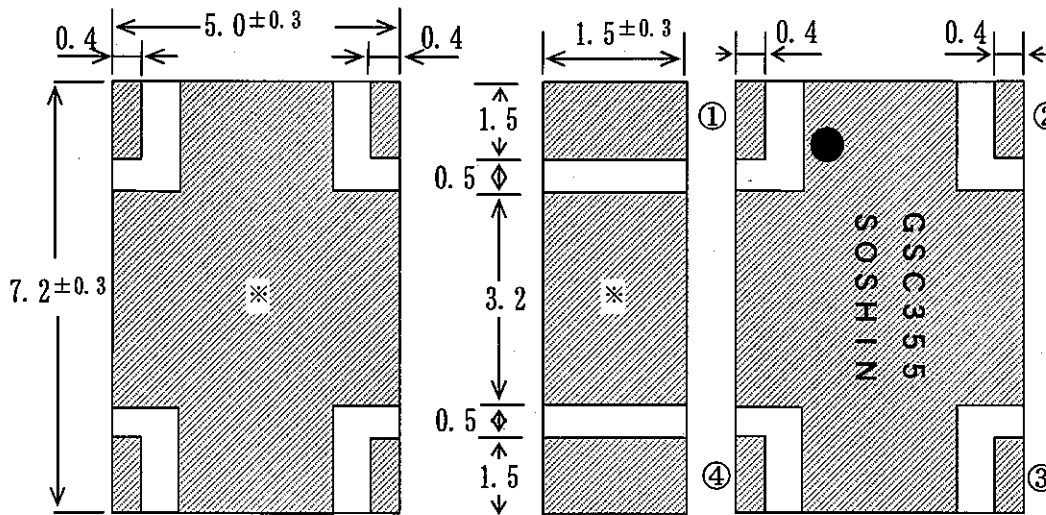
1. 2.14GHz Band 90° Chip Hybrid Coupler

TYPE No. : GSC355-HYB2150

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 : 2100~2200MHz

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)

: 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