

Product Information

Control No : GSC-0356-F 1/5

Established on Feb, 15, 2005

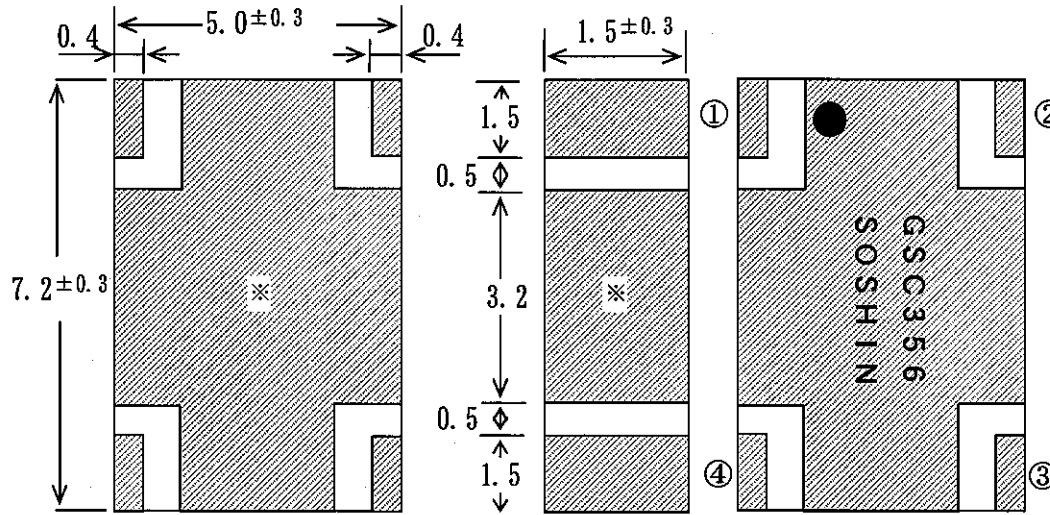
1. 2.5GHz Band 90° Chip Hybrid Coupler

TYPE No : GSC356-HYB2500

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 : 100W Avg/CW

3.2 Operating Temperature : $-40 \sim 125^{\circ}\text{C}$

3.3 Storage Temperature : $-40 \sim 85^{\circ}\text{C}$

($-20 \sim 35^{\circ}\text{C}$ for tape and reel materials)

4. Electrical Characteristics

4.1 Impedance : 50Ω Nominal

4.2 Frequency Range : 2400~2700MHz

4.3 Insertion Loss : 0.25dB MAX (TYP. 0.2dB) $\left[\frac{|S21| + |S31|}{2} - 3 \right]$ (at 25°C)

4.4 Amplitude Level Balance : 0.35dB 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 : $90 \pm 3^{\circ}$

4.6 V. S. W. R : 1.18 MAX

4.7 Isolation : 23dB MIN