

**(19)**  
**(12)**

**(KR)**  
**(A)**

**(51) . Int. Cl.<sup>7</sup>**  
**H01L 23/48**

**(11)**  
**(43)**

**10-2004-0030509**  
**2004 04 09**

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	10/084,787	2002 02 25	(US)

(71)	,	94538,	,	47400
	,		,	

(72)	,	94555,	,	5245
	,		,	

,	,	94015,	,	102
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(74)

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**(54)**

2	(40)	(24)	(42)	,
			(28)	,

1	,	2-	2	
				2 (44)

The image shows a technical drawing of a microstrip line structure. At the top right, the text 'RF' is in the top right corner. In the top center, there is a label '1GHz'. The drawing features several horizontal lines representing microstrip lines. One line is labeled '0.6~0.8 mm' and has a dimension '2' below it. Another line is labeled '0.2-0.4mm' and has a dimension '2' below it. A third line is labeled '1.0mm' and has a dimension '2' below it. The drawing also includes labels 'Y' and 'X' at the bottom left, and 'Z' at the top right. There are also labels '1' and '2' placed near the lines. The text '(shadow)' and '(solder ball)' are also present in the drawing.

(29) , (23) 0.025mm 가 ( 2 ( 8) ) 1 ) , , 2 , , 2

2 가

가 , (22) (가 , ) (26)  
 . (21) 2 ( ) 가

, (21)

, 0.1mm, 0.3mm  
0.18mm 0.4mm 가 가, 0.  
4 mm

가 0.5 mm 가 1.0 mm

3 4 (30, 40), , , 가 2 1 , 2 2 ( ) 2 . 3 , 2 ) 2 ?

3 , 1 (24) (32) 1 ( ) (21) (27)  
, 1 (21) (25) 2 (34) (32) 2 (28) 2  
) , (34) (35) (36) (31) , (32) (31)  
. (37) . ,

3 2 1 (14)

1 (24) , 3 , 3 2- , 2

2  
3 , 1 (24) (32) 1 ( ) (21) 2- . 2 (28) (27)  
, 1 (21) . 2 (42) 2 ( ) (41) 2  
(47) , (45) 3 ,  
3 .  
가

(57)

1.

1

1

2

2.

3.

1

4.

1 , 2  
1

가 (standoff)

, 1 , , 1

5.

1 ,  
가 ,

6.

1 , 1  
1 , 2

7.

1 , 1  
1 ,

가

8.

1 ,  
1 ,

9.

1 , 2  
2 ,

가

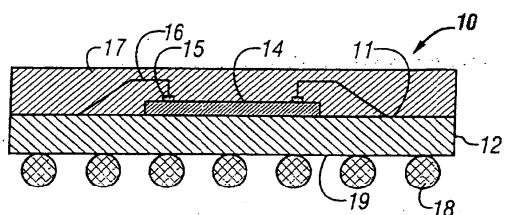
10.

9 , 2  
9 ,

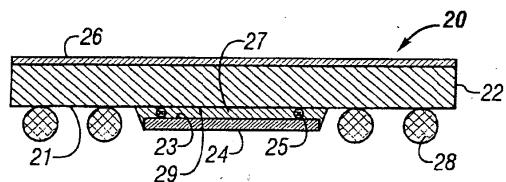
11.

9 , 2  
9 ,

1



2



3

