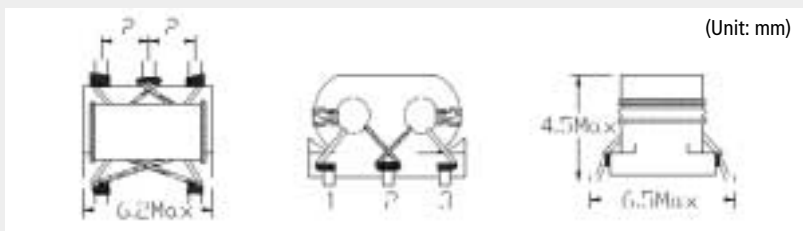


### EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Operating Temperature Range : - 25°C to + 85°C

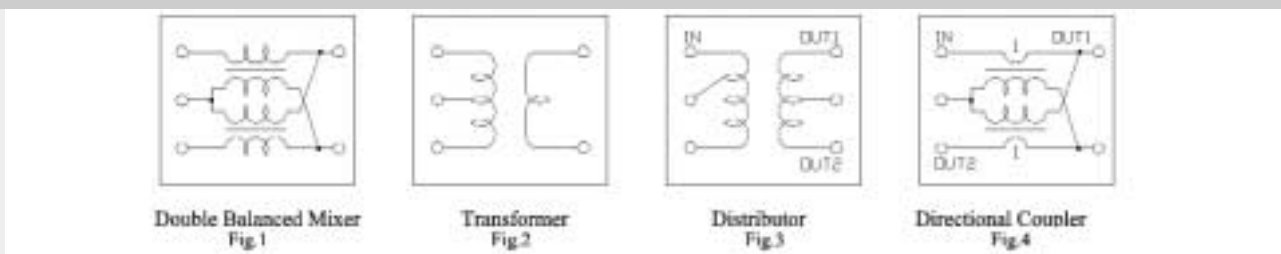
### Features

- Pair wire coil for high stability.
- Base pin terminal treated, allowing mounting "as is" on a PCB.
- Suitable for lead free soldering.

### Applications

- Double balance mixers, broad-band transformers, impedance transformers, etc.

### Pin Connection



### Specifications

Part Number	Winding Turns	Operating Frequency Range	Insertion Loss (dB)	Pin Connection Fig.	
<b>Double Balanced Mixer</b>					
BT-001-1003A	3x4	8MHz~800MHz	3.5 max.	1	
BT-001-1005A	2x4	400MHz~1.3GHz	4 max.	1	
BT-001-1008A	4x4	6MHz~600MHz	2.5 max.	1	
BT-001-1011A	5x4	5MHz~500MHz	2 max.	1	
BT-001-1012A	1x4	50MHz~400MHz	10 max.	1	
BT-001-1013A	2x4	10MHz~1.0GHz	6 max.	1	
<b>Frequency Mixer</b>					
	<b>Pri</b>	<b>Sec</b>			
BT-001-1024A	3 x 2	3	3.5MHz~470MHz	3 max.	2
BT-001-1052A	2 x 2	2	9MHz~350MHz	3 max.	2
BT-001-1085A	1 x 2	1	-	3 max.	2
BT-001-1086A	4 x 2	4	2.2MHz~400MHz	3 max.	2
BT-001-1087A	5 x 2	5	1.5MHz~300MHz	3 max.	2
<b>Distributor</b>					
BT-002-1014A	-	20MHz~600MHz	IN to OUT-1,2 4.5 max. OUT-1 to OUT-2 (ISOLATION) 10 min.	3	
<b>Directional Coupler</b>					
BT-001-1006A	5	6MHz~600MHz	IN to OUT-1 0.9 max. IN to OUT-2 13~16 dB	4	
BT-001-1007A	6	6MHz~600MHz	IN to OUT-1 0.8 max. IN to OUT-2 15~17 dB	4	
BT-001-1015A	4	6MHz~600MHz	IN to OUT-1 1.3 max. IN to OUT-2 11~14 dB	4	

### EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Operating Temperature Range : - 25°C to + 85°C

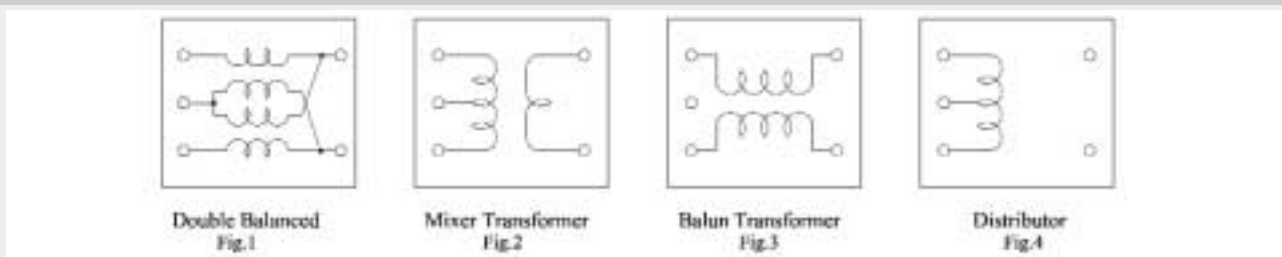
### Features

- Pair wire coil for high stability.
- Base pin terminal treated, allowing mounting "as is" on a PCB.
- Suitable for lead free soldering.

### Applications

- Double balance mixers, broad-band transformers, impedance transformers, etc.

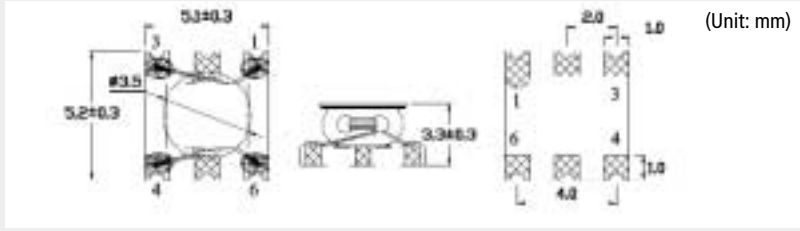
### Pin Connection



### Specifications

Part Number	Winding Turns	Operating Frequency Range (MHz)	Insertion Loss (dB)	Pin Connection Fig.
<b>Double Balanced Mixer</b>				
BT-006-1007A	2	25MHz~2000MHz	3	1
BT-006-1009A	3	6MHz~2000MHz	3	1
BT-006-1006A	3	150MHz~2300MHz	3	1
BT-006-1010A	4	3.5MHz~2000MHz	3	1
BT-006-1018A	5	2MHz~2000MHz	3	1
<b>Frequency Mixer</b>				
BT-006-1025A	1	-		2
BT-006-1019A	2	8MHz~750MHz	3	2
BT-006-1026A	3	3.5MHz~700MHz	3	2
<b>Balun transformer</b>				
BT-006-1021A	1.5	20MHz~750MHz	3	3
BT-006-1022A	2.5	4.5MHz~3300MHz	3	3
BT-006-1023A	3.5	2.3MHz~2700MHz	3	3
BT-006-1024A	4.5	1.5MHz~2400MHz	3	3
<b>Distributor</b>				
BT-006-1079A	2	1300MHz~1700MHz	IN to OUT-1,2 4.5 dB max.	4
BT-006-1076A	3	800MHz~1000MHz	OUT-1 to OUT-2 (ISOLATION) 15 dB min.	4

### EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Operating Temperature Range : - 25°C to + 85°C

### Features

- Pcb pad terminal treated, allowing mounting "as is" on a PCB.
- Suitable for lead free soldering, transformers, etc.

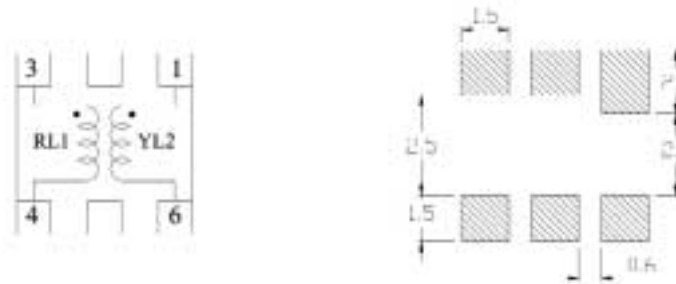
### Applications

- Double balance mixers, broad-band transformers, impedance transformers, etc.

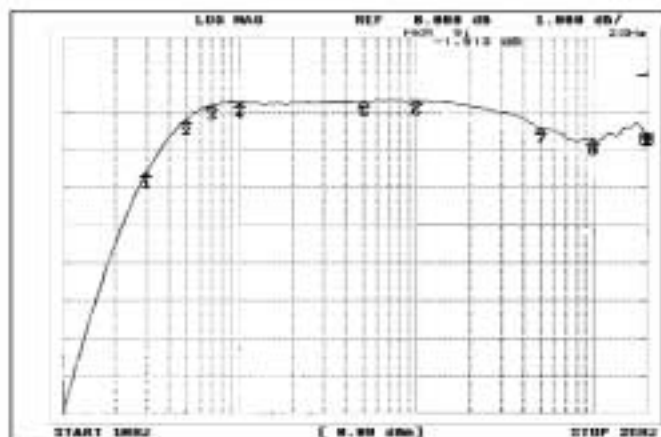
### Specifications

Part Number	Winding turns	Operating Frequency Range (MHz)	Insertion Loss (dB)
BT-032-1023A	3.5	4.5MHz~2000MHz	3.5

### Circuit & Pad: (Top View)



### Insertion Loss



1:	3.000MHz	-2.499 dB
2:	5.000MHz	-1.118 dB
3:	7.000MHz	-0.744 dB
4:	10.000MHz	-0.686 dB
5:	50.000MHz	-0.639 dB
6:	100.000MHz	-0.617 dB
7:	500.000MHz	-1.375 dB
8:	1.000 000GHz	-1.699 dB
9:	2.000 000GHz	-1.853 dB