

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSB0605T SERIES

### 1. FEATURES:

1. Pair wire coil for high stability.
2. Base PIN terminal treated, allowing mounting as is on a PCB.

### 2. APPLICATIONS:

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

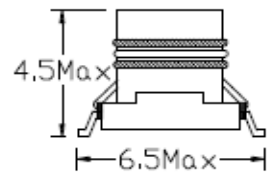
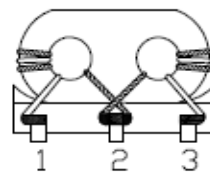
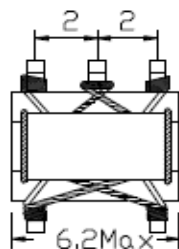
### 3. PART NUMBER SYSTEM:

HSB - 0605 - T - 1005

(1)            (2)            (3)            (4)

- (1) Series name.
- (2) 0605 is size.
- (3) T is reel tape package.
- (4) 1005 is sequence number

### 4. PHYSICAL CHARACTERISTICS:



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### 5. ELECTRICAL CHARACTERISTICS:

Part Number	Winding turns		Operation Frequency Range (MHz)		Insertion Loss (dB)	PIN Connection	
<b>Double Balance Mixer</b>							
HSB0605T-1003	3 * 4		8	~800	3.5	1	
HSB0605T-1005	2 * 4		400	~1.3GHz	4.0	1	
HSB0605T-1008	4 * 4		6	~600	2.5	1	
HSB0605T-1011	5 * 4		5	~500	2.0	1	
HSB0605T-1012	1 * 4		50	~400	10.0	1	
HSB0605T-1013	2 * 4		10	~1.0GHz	6.0	1	
<b>Frequency Mixer</b>							
HSB0605T-1024	3 * 2	3	50	~400	3.0	2	
HSB0605T-1052	2 * 2	2	9	~350	3.0	2	
HSB0605T-1085	1 * 2	1	—————		3.0	2	
HSB0605T-1086	4 * 2	4	2.2	~400	3.0	2	
HSB0605T-1087	5 * 2	5	1.5	~300	3.0	2	
<b>Distributor</b>							
HSB0605T-1014	—————		20	~600	IN to OUT - 1,2 OUT-1 to OUT-2	4.5Max 10.0 Min	3
<b>Directional Coupler</b>							
HSB0605T-1006	5	6	~600	IN to OUT - 1	0.9Max	4	
				IN to OUT - 2	13~16		
HSB0605T-1007	6	6	~600	IN to OUT - 1	0.8Max	4	
				IN to OUT - 2	15~17		
HSB0605T-1015	4	6	~600	IN to OUT - 1	1.3Max	4	
				IN to OUT - 2	11~14		

Pin Connection:

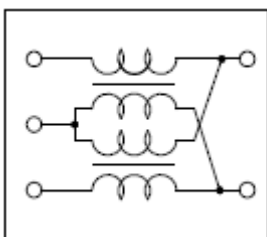


Fig:1

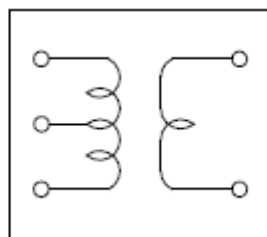


Fig:2

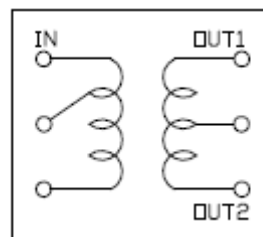


Fig:3

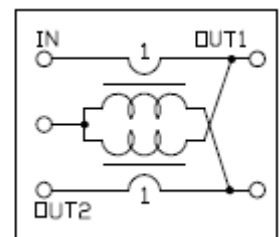


Fig:4