



# SMD Coils

## SMD Common Mode Choke Coils - TCB5FL Series

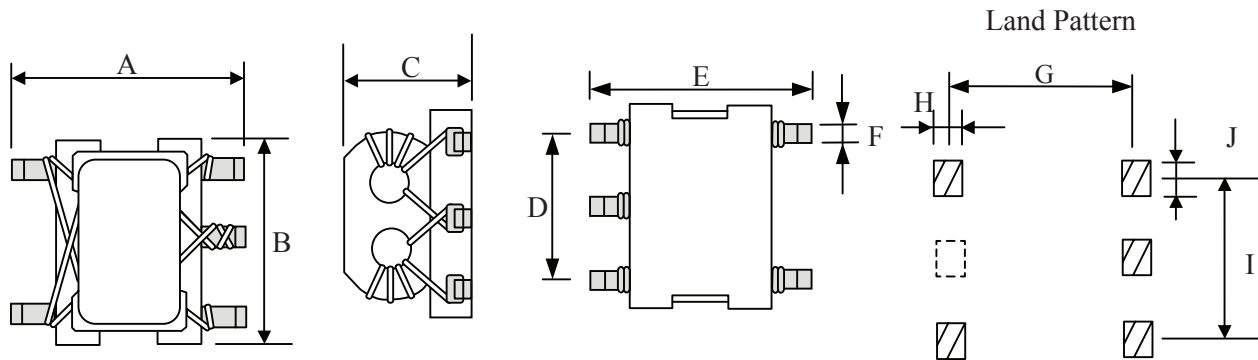
### ► SMD Common Mode Choke Coil Features

Pair wire coil for high stability.

### ► Applications

Double balance mixers, broad-band transformers;  
Impedance transformers, balun transformers, etc..

### ► SMD Common Mode Choke Coil Configurations & Dimensions (unit: mm)



Type	A±0.3	B(max)	C(max)	D±0.5	E(max)	F±0.05	G	H	I	J
TCB5FL	3.8	6.9	3.9	4.0	6.9	0.6	5.5	1.3	4.0	1.0

Note: Design as Customer's Requested Specifications.

### ► SMD Common Mode Choke Coil Electrical Characteristics for TCB5FL Series

Part Number	Winding Turns	Operating Freq. Ranges (MHz)	Insertion Loss (dB)	Figure
<b>Double balanced mixer</b>				
TCB5FL - 616DB1003	2	30 ~ 850	3	1
TCB5FL - 616DB1004	3	6.5 ~ 1000	3	1
TCB5FL - 616DB1007	4	3.5 ~ 1600	3	1
TCB5FL - 616DB1008	5	2.5 ~ 1500	3	1
<b>Frequency mixer</b>				
TCB5FL - 616PT1027	1	-	3	2
TCB5FL - 616PT1028	2	8 ~ 550	3	2
TCB5FL - 616PT1029	3	3.5 ~ 500	3	2
TCB5FL - 616PT1030	4	2 ~ 370	3	2
TCB5FL - 616PT1037	1	-	3	2
TCB5FL - 616PT1038	2	500 ~ 850	3	2
TCB5FL - 616PT1039	3	240 ~ 500	3	2
TCB5FL - 616PT1040	4	85 ~ 380	3	2
<b>Balun transformer</b>				
TCB5FL - 616DB1048	1.5	5.5 ~ 850	3	3
TCB5FL - 616DB1049	2.5	2.5 ~ 2000	3	3
TCB5FL - 616DB1050	3.5	1.2 ~ 1700	3	3

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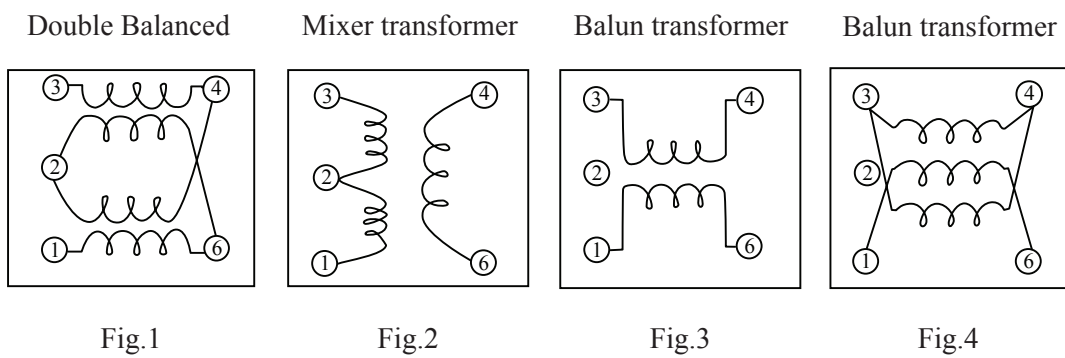


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Part Number	Winding Turns	Operating Freq. Ranges (MHz)	Insertion Loss (dB)	Figure
TCB5FL - 616DB1051	4.5	0.8 ~ 1400	3	3
TCB5FL - 616DB1078	5.5	0.6 ~ 1300	3	3
Balun transformer				
TCB5FL - 616DB1053	1.5	160 ~ 2200	3	4
TCB5FL - 616DB1017	2.5	55 ~ 1700	3	4
TCB5FL - 616DB1054	3.5	30 ~ 1400	3	4

## SMD Common Mode Choke Coil Pin connections Diagram



## How to Order

TCB5FL - 616DB1003

①                      ②

① SMD Choke Coils Common Mode

② Type

Code	Type
616DB	Double balance mixer
616DB	Balun Transformer
616PT	Frequency mixer