



SMD Coils

Common Mode SMD Choke Coils - TCB4F Series / 共模线圈

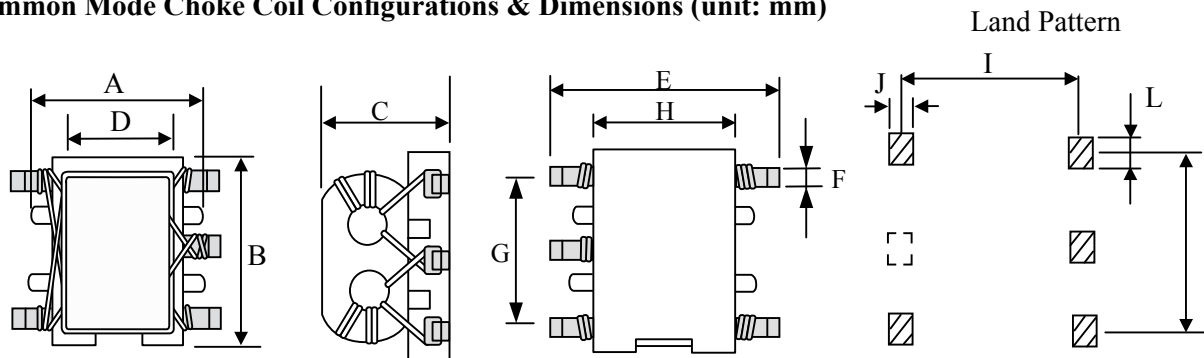
Common Mode Choke Coil Features

Pair wire coil for high stability.

Applications

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

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



Type	A±0.3	B(max)	C(max)	D±0.3	E(max)	F±0.05	G±0.5	H±0.3	I	J	K	L
TCB4F	3.8	4.4	3.5	2.0	5.5	0.7	3.0	2.7	4.4	1.3	3.0	1.0

Note: Design as Customer's Requested Specifications.

Common Mode Choke Coil Electrical Characteristics for TCB4F Series

Part Number	Winding Turns	Operating Freq. Ranges (MHz)	Insertion Loss (dB)	Figure
Double balanced mixer				
TCB4F - 617DB1007	2	25 ~ 2000	3	1
TCB4F - 617DB1009	3	6 ~ 2000	3	1
TCB4F - 617DB1006	3	150 ~ 2300	3	1
TCB4F - 617DB1010	4	3.5 ~ 2000	3	1
TCB4F - 617DB1018	5	2 ~ 2000	3	1
Frequency mixer				
TCB4F - 617PT1025	1	-	-	2
TCB4F - 617PT1019	2	8 ~ 750	3	2
TCB4F - 617PT1026	3	3.5 ~ 700	3	2
Balun transformer				
TCB4F - 617DB1021	1.5	20 ~ 750	3	3
TCB4F - 617DB1022	2.5	4.5 ~ 3300	3	3
TCB4F - 617DB1023	3.5	2.3 ~ 2700	3	3
TCB4F - 617DB1024	4.5	1.5 ~ 2400	3	3
Distributor				
TCB4F - 617DS1079	2	1300 ~ 1700	In to Out-1,2 4.5dB(max)	4
TCB4F - 617DS1076	3	800 ~ 1000	Out-1 to Out-2 (Isolation) 15dB(min)	4



SMD Coils

► Common Mode Choke Coil Pin connections Diagram

Double Balanced

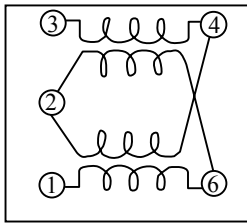


Fig. 1

Mixer transformer

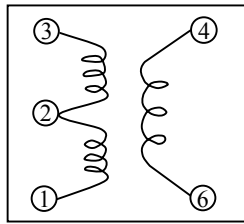


Fig. 2

Balun transformer

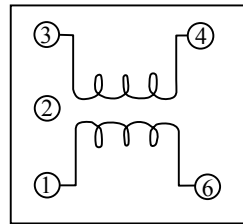


Fig. 3

Distirbutor

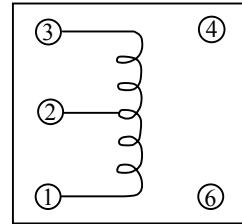


Fig. 4

► How to Order

TCB4F - 617DB1007
① ②

① SMD Choke Coils Common Mode

② Type

Code	Type
617DB	Double balance mixer
617DB	Balun Transformer
617DS	Distirbutor
617PT	Frequency mixer