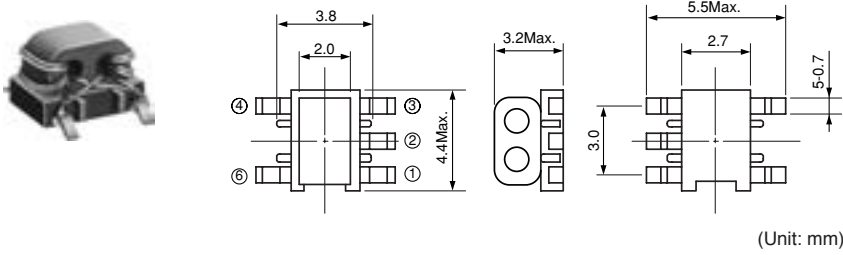


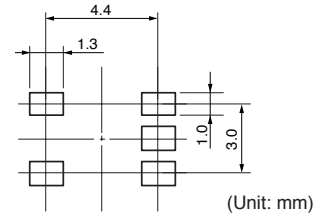
B4F Type

Dimensions 外形寸法



(Unit: mm)

Recommended Patterns 推奨パターン



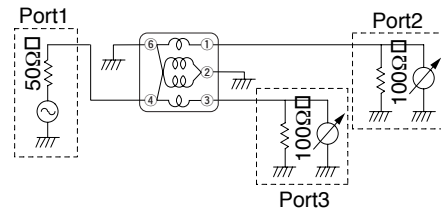
(Unit: mm)

- RoHS compliant
- RoHS 指令対応

Transformers for Frequency Mixer ミキサ用トランス

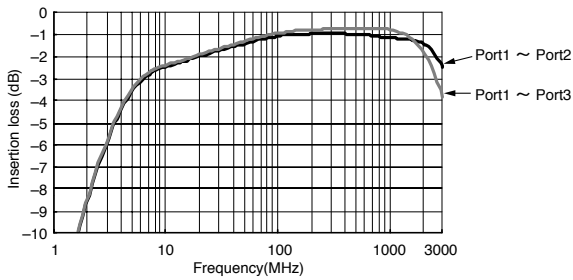
TOKO Part No.	Winding Turns 1-6=2-4=2-6=3-4	μ iac
#617DB-1673	2 1/2 T	300
#617DB-1674	3 1/2 T	300
#617DB-1675	4 1/2 T	300
#617DB-1714	5 1/2 T	300

Test Circuit 測定回路

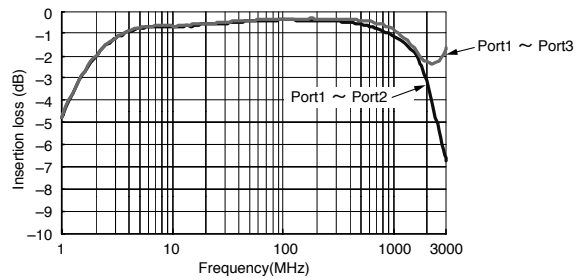


Typical Characteristics 代表特性例

1) #617DB-1673 (Impedance Ratio=50Ω:200Ω)

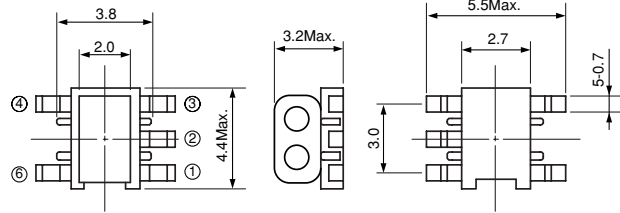


2) #617DB-1714 (Impedance Ratio=50Ω:200Ω)



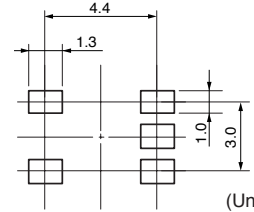
B4F Type

Dimensions 外形寸法



(Unit: mm)

Recommended Patterns 推奨パターン



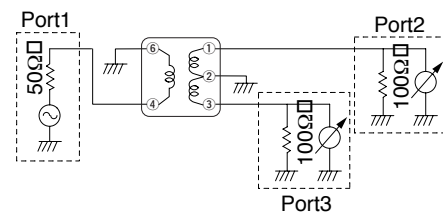
(Unit: mm)

- RoHS compliant
- RoHS 指令対応

Transformers for Frequency Mixer ミキサ用トランス

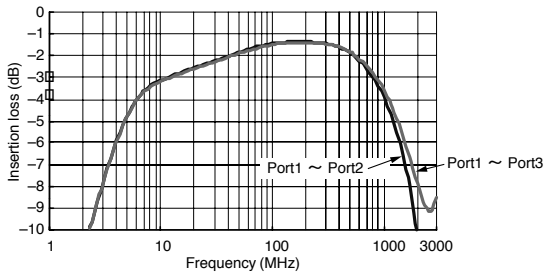
TOKO Part No.	Winding Turns 1-6=2-3=4-6	μ iac
#617PT-1667	2 T	300
#617PT-1669	3 T	300
#617PT-1699	4 T	300
#617PT-1664	5 T	300

Test Circuit 測定回路

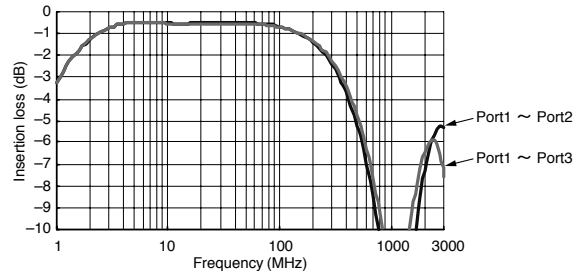


Typical Characteristics 代表特性例

1) #617PT-1667 (Impedance Ratio=50Ω:200Ω)

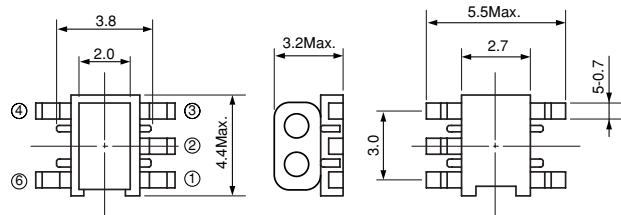


2) #617PT-1664 (Impedance Ratio=50Ω:200Ω)



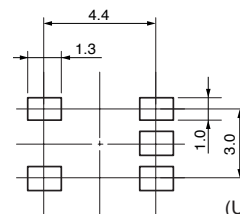
B4F Type

Dimensions 外形寸法



(Unit: mm)

Recommended Patterns 推奨パターン



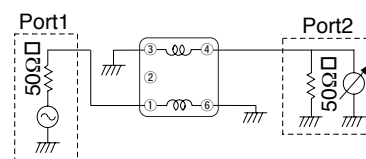
(Unit: mm)

- RoHS compliant
- RoHS 指令対応

Balun Transformers バルントランス

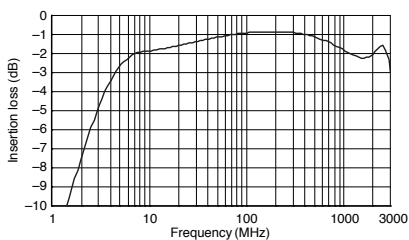
TOKO Part No.	Winding Turns	μ iac
#617DB-1653	2 1/2 T	300
#617DB-1654	3 1/2 T	300
#617DB-1655	4 1/2 T	300
#617DB-1724	5 1/2 T	300

Test Circuit 測定回路

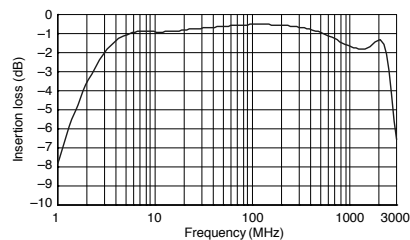


Typical Characteristics 代表特性例

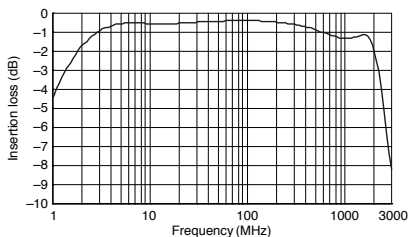
1) #617DB-1653 50Ω:50Ω



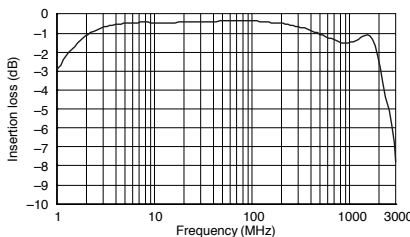
2) #617DB-1654 50Ω:50Ω



3) #617DB-1655 50Ω:50Ω

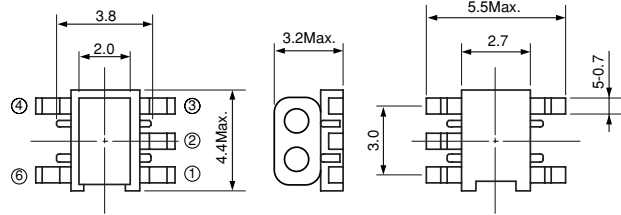


4) #617DB-1724 50Ω:50Ω



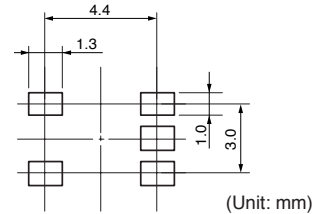
B4F Type

Dimensions 外形寸法



(Unit: mm)

Recommended Patterns 推奨パターン



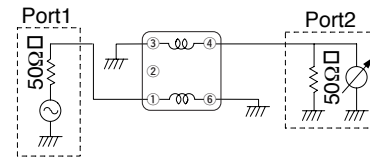
(Unit: mm)

- RoHS compliant
- RoHS 指令対応

Balun Transformers バルントランス

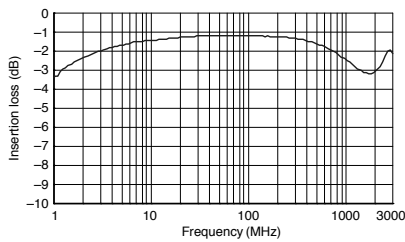
TOKO Part No.	Winding Turns	μ iac
#617DB-1643	2 1/2 T	1500
#617DB-1644	3 1/2 T	1500
#617DB-1645	4 1/2 T	1500
#617DB-1646	5 1/2 T	1500

Test Circuit 測定回路

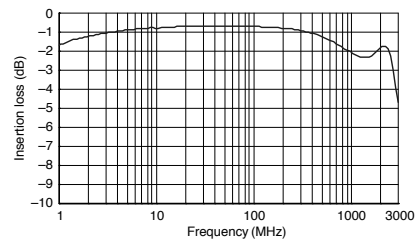


Typical Characteristics 代表特性例

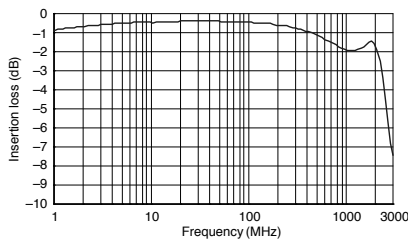
1) #617DB-1643 50Ω:50Ω



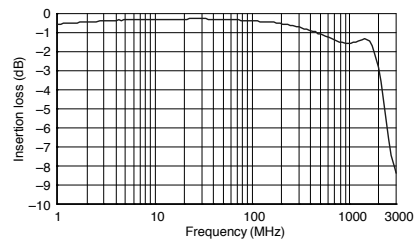
2) #617DB-1644 50Ω:50Ω



3) #617DB-1645 50Ω:50Ω

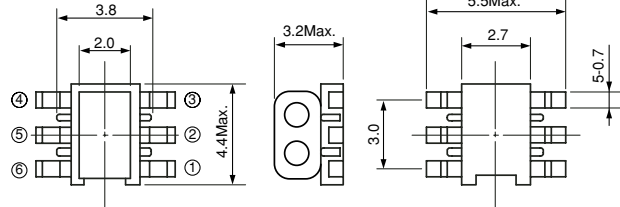


4) #617DB-1646 50Ω:50Ω



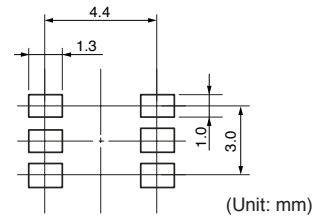
B4F Type

Dimensions 外形寸法



(Unit: mm)

Recommended Patterns 推奨パターン



(Unit: mm)

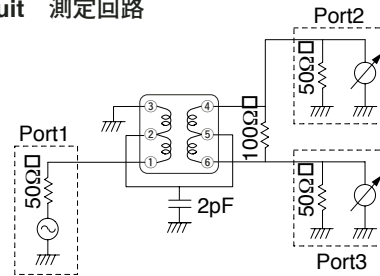
• RoHS compliant

• RoHS 指令対応

Distributors 分配器

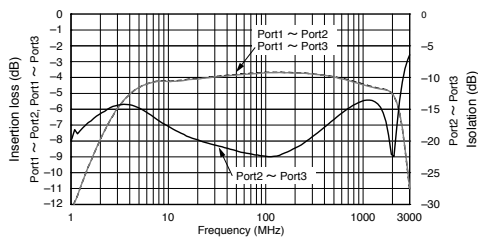
TOKO Part No.	Winding Turns			μ iac
	1-2	2-3	4-5=5-6	
#617DS-1676	1T	3T	2T	300
#617DS-1711	1T	4T	3T	300
#617DS-1727	1T	3T	2T	1500
#617DS-1710	1T	4T	3T	1500

Test Circuit 測定回路

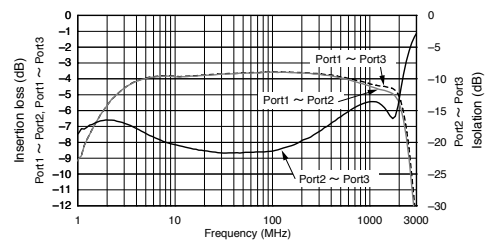


Typical Characteristics 代表特性例

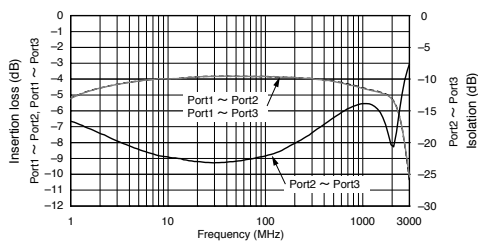
1) #617DS-1676 50Ω系



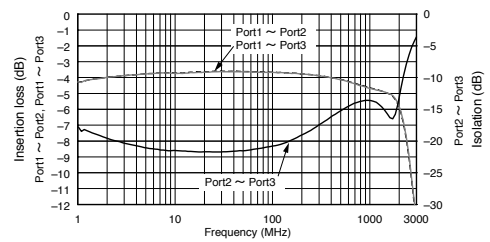
2) #617DS-1711 50Ω系



3) #617DS-1727 50Ω系

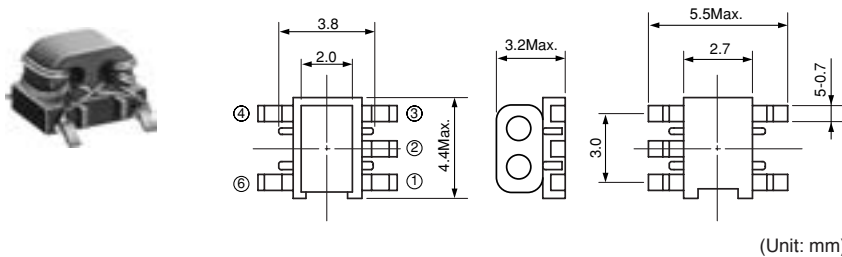


4) #617DS-1710 50Ω系

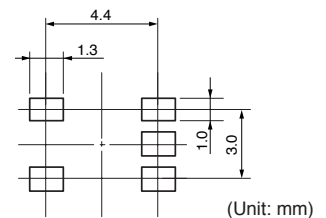


B4F Type

Dimensions 外形寸法



Recommended Patterns 推奨パターン

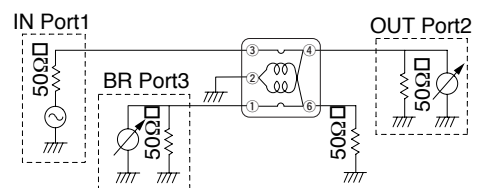


- RoHS compliant
- RoHS 指令対応

Splitters/Directional Couplers 分岐器/方向性結合器

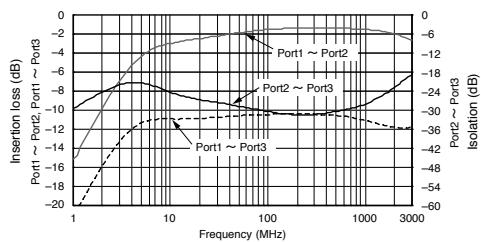
TOKO Part No.	Winding Turns 1-6=3-4	2-4=2-6	BR I.L.(dB) at 100MHz	μ iac
#617PS-1660	1/2 T	2 1/2 T	10.7	300
#617PS-1661	1/2 T	3 1/2 T	13.0	300
#617PS-1662	1/2 T	4 1/2 T	14.7	300
#617PS-1663	1/2 T	5 1/2 T	16.2	300

Test Circuit 測定回路

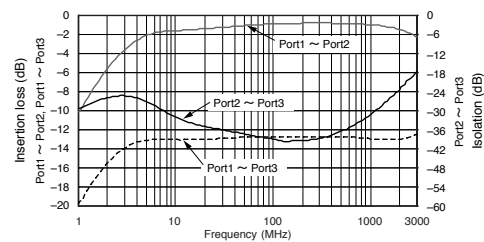


Typical Characteristics 代表特性例

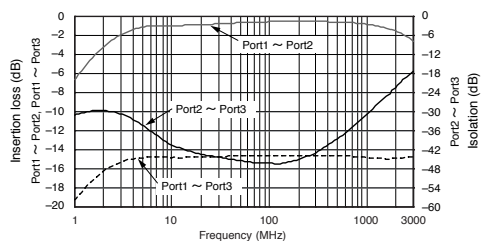
1) #617PS-1660 50Ω系



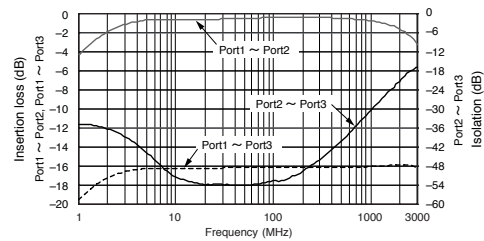
2) #617PS-1661 50Ω系



3) #617PS-1662 50Ω系

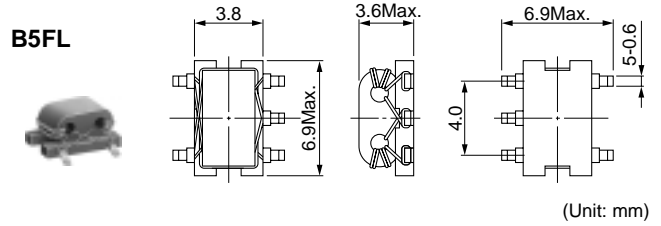
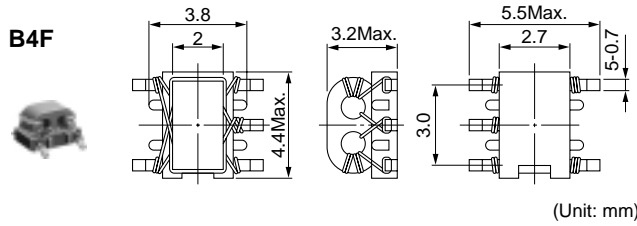


4) #617PS-1663 50Ω系



TYPE B4F: Surface mount (面実装用)

TYPE B5FL: Surface mount (面実装用)



Features

- Paired wire coil for high stability.
- Base pin terminal treated, allowing mounting 'as is' on a PCB.

Applications

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

特長

- 巻線にはペア線を使用し、高い平衡度を実現
- ベースピンに端末処理されているので、そのままプリント基板にマウントできる

用途

- ダブルバランスドミキサ、広帯域トランス、インピーダンス変換用トランスと各種用途に応じ製作

SELECTION GUIDE FOR STANDARD TRANSFORMERS

TYPE B4F				
東光品番	巻数	使用周波数範囲	挿入損失	図
TOKO Part Number	Winding turns	Operating Frequency Range (MHz)	Insertion Loss (dB)	Fig.
Double balanced mixer				
617DB-1007	2	25 ~ 2000	3	1
617DB-1009	3	6 ~ 2000	3	1
617DB-1006	3	150 ~ 2300	3	1
617DB-1010	4	3.5 ~ 2000	3	1
617DB-1018	5	2 ~ 2000	3	1
Frequency mixer				
617PT-1025	1	—	—	2
617PT-1019	2	8 ~ 750	3	2
617PT-1026	3	3.5 ~ 700	3	2
Balun transformer				
617DB-1021	1 1/2	20 ~ 750	3	3
617DB-1022	2 1/2	4.5 ~ 3300	3	3
617DB-1023	3 1/2	2.3 ~ 2700	3	3
617DB-1024	4 1/2	1.5 ~ 2400	3	3
DISTRIBUTOR				
617DS-1079	2	1300 ~ 1700	IN to OUT-1,2 4.5dB max.	5
617DS-1076	3	800 ~ 1000	OUT-1 to OUT-2 (ISOLATION) 15dB min.	5

TYPE B5FL				
東光品番	巻数	使用周波数範囲	挿入損失	図
TOKO Part Number	Winding turns	Operating Frequency Range (MHz)	Insertion Loss (dB)	Fig.
Double balanced mixer				
616DB-1003	2	30 ~ 850	3	1
616DB-1004	3	6.5 ~ 1000	3	1
616DB-1007	4	3.5 ~ 1600	3	1
616DB-1008	5	2.5 ~ 1500	3	1
Frequency mixer				
616PT-1027	1	—	3	2
616PT-1028	2	8 ~ 550	3	2
616PT-1029	3	3.5 ~ 500	3	2
616PT-1030	4	2 ~ 370	3	2
616PT-1037	1	—	3	2
616PT-1038	2	500 ~ 850	3	2
616PT-1039	3	240 ~ 500	3	2
616PT-1040	4	85 ~ 380	3	2
Balun transformer				
616DB-1048	1 1/2	5.5 ~ 850	3	3
616DB-1049	2 1/2	2.5 ~ 2000	3	3
616DB-1050	3 1/2	1.2 ~ 1700	3	3
616DB-1051	4 1/2	0.8 ~ 1400	3	3
616DB-1078	5 1/2	0.6 ~ 1300	3	3
Balun transformer				
616DB-1053	1 1/2	160 ~ 2200	3	4
616DB-1017	2 1/2	55 ~ 1700	3	4
616DB-1054	3 1/2	30 ~ 1400	3	4

Pin connections 接続図

