TOKO #617DB-1646 alternative

BC617DB1646

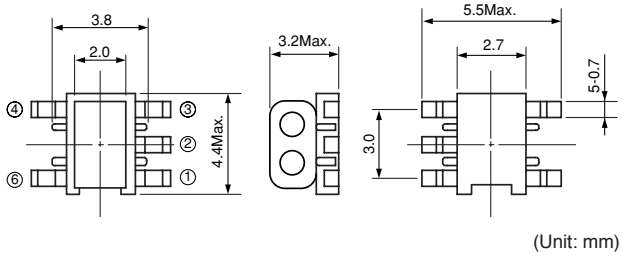
Transformers for Frequency Mixer

Electrical Characteristics

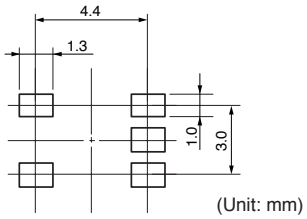
- RoHS compliant

TOKO Part No.		Drop-in alternative	Winding Turns 1-6=2-4=2-6=3-4	µiac
#617DB-1643	>	BC617DB1643	2 1/2 T	300
#617DB-1644	>	BC617DB1644	3 1/2 T	300
#617DB-1645	>	BC617DB1645	4 1/2 T	300
#617DB-1646	**>**	**BC617DB1646**	**5 1/2 T**	**300**

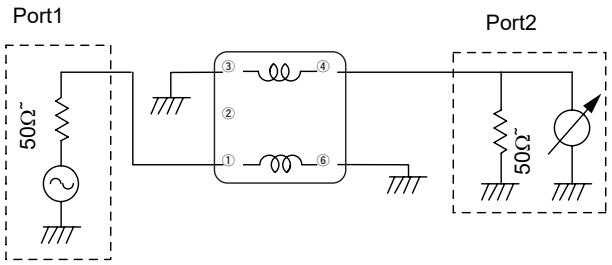
Dimensions



Recommended Patterns

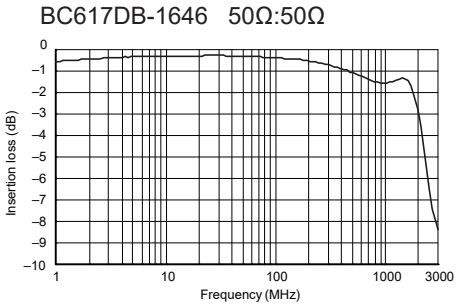


Test Circuit: BC617DB1646



Common Mode RF Balun Transformers (BC617DB) Test Circuit C

Typical Characteristics: BC617DB1646



Applications of Baluns

In a **RF balun transformer**, one pair of terminals is balanced, that is, the currents are equal in magnitude and opposite in phase. The other pair of terminals is unbalanced; one side is connected to electrical ground and the other carries the signal. Balun transformers can be used between various parts of a wireless or cable communications system. Some common applications denotes as following:

- Television receiver (Balanced) - coaxial cable network or Coaxial antenna system (Unbalanced)
- FM broadcast receiver (Balanced) - Coaxial antenna system (Unbalanced)
- Dipole antenna (Balanced) - Coaxial transmission line (Unbalanced)
- Parallel-wire transmission line (Balanced) - Coaxial transmitter output, or Coaxial receiver input (Unbalanced)