

TOKO #617PT-1667 alternative



BC617PT1667

Transformers for Frequency Mixer

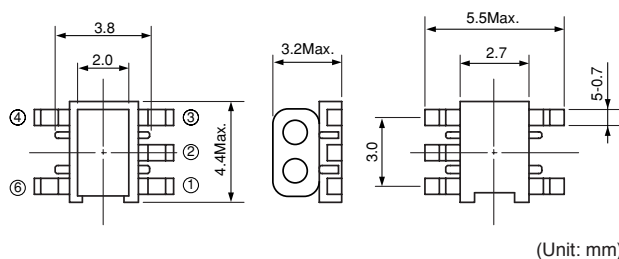
Electrical Characteristics



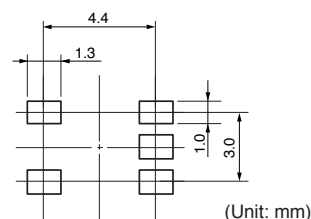
• RoHS compliant

TOKO Part No.		Drop-in alternative	Winding Turns 1-6=2-4=2-6=3-4	µiac
➤ #617PT-1667	>	BC617PT1667	2 T	300
#617PT-1669	>	BC617DB1669	3 T	300
#617PT-1699	>	BC617PT1699	4 T	300
#617PT-1664	>	BC617PT1664	5 T	300

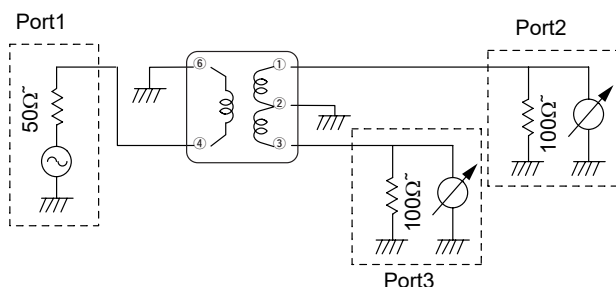
Dimensions



Recommended Patterns



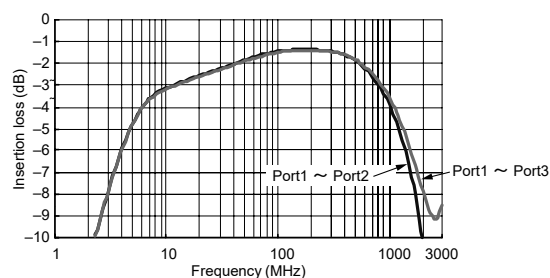
Test Circuit: BC617PT1667



SMD Common Mode RF Balun Transformer (BC617PT) Test Circuit

Typical Characteristics: BC617PT1667

BC617PT-1667 (Impedance Ratio=50Ω:200Ω)



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)