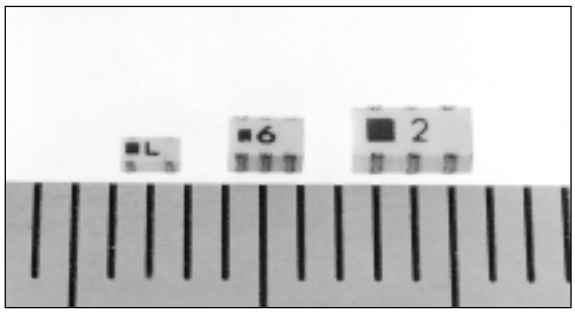


Balun

Features

- Ultra-miniaturized, thin type (1.6 × 0.8 × t 0.55)
- Multiple frequency ranges available (100 MHz to 4000 MHz)
- Balanced / Unbalanced Converter
- Impedance matching (50 Ω / 50 Ω, 50 Ω / 200 Ω, 50 Ω / 100Ω)

Recommended Applications

- Digital portable telephone
- Dual-mode portable telephone
- PHS
- Mobile communication system

■ Equivalent Circuit

Fig. 1

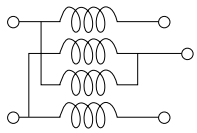


Fig. 2

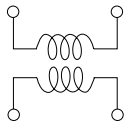
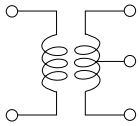


Fig. 3



■ Typical Characteristics

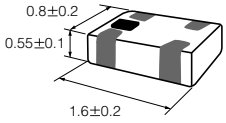
Items \ Part No.	FD 1750A	FD 1620	FD 1620	2BB 0900	2BG 1747	2BG 1920	2BG 2060	2BG 2450	2BG 3600	FD 1617	1BG 0920	1BG 1800	FD 1618
Frequency (MHz)	1710 to 1910	824 to 894	746 to 960	746 to 960	1710 to 1785	1850 to 1990	1920 to 2170	2400 to 2500	3500 to 3700	190	880 to 960	1710 to 1880	746 to 960
Insertion Loss (dB)	1.0 max.	1.0 max.	2.0 max.	2.0 max.	1.2 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	2.0 max.	0.8 max.	0.8 max.	1.0 max.
Difference of Phase(deg)	180±20	180±15	180±15	180±15	180±10	180±15	180±15	180±15	180±15	180±10	180±10	180±10	180±15
Impedance (Ω)	50/200	50/200	50/200	50/200	50/200	50/200	50/200	50/200	50/200	50/200	50/200	50/200	50/50
Circuit Diagram	Fig. 1	Fig. 1	Fig. 1	Fig. 1	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 1	Fig. 3	Fig. 3	Fig. 2
Dimension No.	※ 1	※ 2	※ 2	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 4	※ 5	※ 5	※ 4

Items \ Part No.	2BE 1600	2BE 1900	2BE 2060	FD 1759U	FD 1755T	2BA 0900	2BD 1441	2BD 1489	FD 1758V	2BD 2060	FD 1759V	2BD 3600	FD 1619
Frequency (MHz)	1520 to 1720	1845 to 2047	1920 to 2170	2400 to 2500	3400 to 4000	746 to 960	1429 to 1453	1477 to 1501	1710 to 1920	1920 to 2170	2400 to 2500	3500 to 3700	1850 to 1990
Insertion Loss (dB)	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	1.0 max.	0.8 max.
Difference of Phase(deg)	180±10	180±15	180±15	180±15	180±20	180±15	180±15	180±15	180±15	180±15	180±15	180±15	180±10
Impedance (Ω)	50/100	50/100	50/100	50/100	50/100	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
Circuit Diagram	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 2	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 3	Fig. 2
Dimension No.	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 3	※ 4

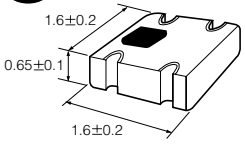
NOTE: Emits EHF.

■ Dimensions in mm (not to scale)

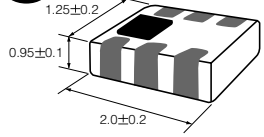
※1



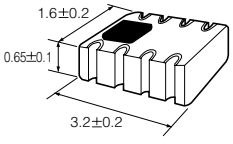
※2



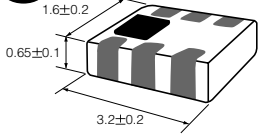
※3



※4



※5



Rev.02/04

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.
Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.