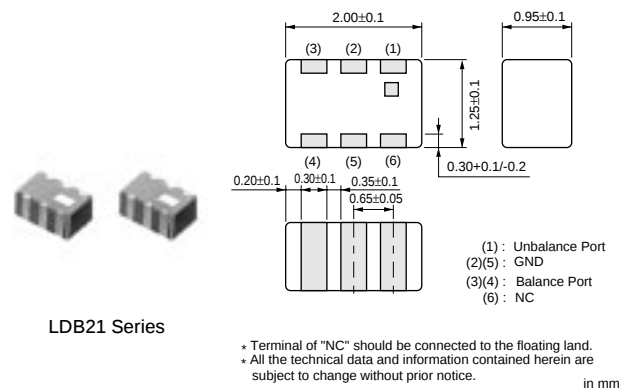
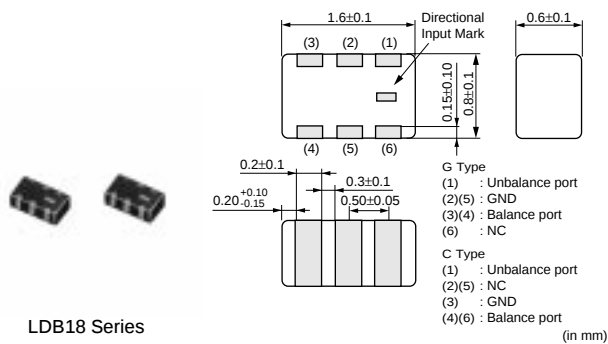


Chip Multilayer Hybrid Baluns



Part Number	Frequency Range (MHz)	Insertion Loss I) (dB)	Insertion Loss II) (dB)	Unbalance Impedance (Nom.) (ohm)	Balance Impedance (Nom.) (ohm)	Application
LDB181G8115G-120	1810 ±100MHz	1.1 max. (at 25°C)	1.2 max. (-40~+85°C)	50	150	GSM
LDB181G8120G-120	1810 ±100MHz	1.2 max. (at 25°C)	1.3 max. (-40~+85°C)	50	200	GSM
LDB181G9505C-110	1955.0 ±35.0MHz	1.2 max. (at 25°C)	1.3 max. (-40~+85°C)	50	50	GSM
LDB181G9510C-110	1955.0 ±35.0MHz	1.2 max. (at 25°C)	1.3 max. (-40~+85°C)	50	100	GSM
LDB182G4505C-110	2450.0 ±50.0MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	50	WLAN/BT
LDB182G4510C-110	2450.0 ±50.0MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	100	WLAN/BT
LDB182G4510G-120	2450.0 ±50.0MHz	1.1 max. (at 25°C)	1.2 max. (-40~+85°C)	50	100	WLAN/BT
LDB182G4520C-110	2450.0 ±50.0MHz	1.3 max. (at 25°C)	1.4 max. (-40~+85°C)	50	200	WLAN/BT
LDB182G5005G-120	2500 ±200MHz	1.15 max. (at 25°C)	1.25 max. (-40~+85°C)	50	50	WIMAX
LDB182G5010G-120	2500 ±200MHz	1.1 max. (at 25°C)	1.2 max. (-40~+85°C)	50	100	WIMAX
LDB183G4505G-120	3450 ±150MHz	1.25 max. (at 25°C)	1.35 max. (-40~+85°C)	50	50	WIMAX
LDB183G4510G-120	3450 ±150MHz	1.25 max. (at 25°C)	1.35 max. (-40~+85°C)	50	100	WIMAX
LDB183G6005G-120	3600 ±300MHz	1.3 max. (at 25°C)	1.4 max. (-40~+85°C)	50	50	WIMAX
LDB183G6010G-120	3600 ±300MHz	1.4 max. (at 25°C)	1.5 max. (-40~+85°C)	50	100	WIMAX
LDB183G7010C-110	3700.0 ±300.0MHz	1.4 max. (at 25°C)	1.5 max. (-40~+85°C)	50	100	GSM
LDB184G5010C-110	4500.0 ±300.0MHz	1.1 max. (at 25°C)	1.2 max. (-40~+85°C)	50	100	GSM
LDB185G3705G-120	5375 ±475MHz	1.50 max. (at 25°C)	1.65 max. (-40~+85°C)	50	50	WLAN/BT
LDB185G3710G-120	5375 ±475MHz	1.20 max. (at 25°C)	1.35 max. (-40~+85°C)	50	100	WLAN/BT
LDB18869M10G-120	869.5 ±45.5MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	100	GSM
LDB18869M15G-120	869.5 ±45.5MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	150	GSM
LDB211G8105C-001	1815 ±105MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	50	GSM
LDB211G8110C-001	1810 ±100MHz	0.8 max. (at 25°C)	0.9 max. (-40~+85°C)	50	100	GSM
LDB211G8115C-001	1810 ±100MHz	0.8 max. (at 25°C)	0.9 max. (-40~+85°C)	50	150	GSM
LDB211G8120C-002	1810 ±100MHz	0.8 max. (at 25°C)	0.9 max. (-40~+85°C)	50	200	GSM
LDB212G4005C-001	2400 ±100MHz	0.8 max. (at 25°C)	0.9 max. (-40~+85°C)	50	50	WLAN/BT
LDB212G4010C-001	2400 ±100MHz	0.9 max. (at 25°C)	1.0 max. (-40~+85°C)	50	100	WLAN/BT
LDB212G4020C-001	2400 ±100MHz	0.95 max. (at 25°C)	1.05 max. (-40~+85°C)	50	200	WLAN/BT
LDB213G7010C-002	3700 ±300MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	100	GSM
LDB213G7020C-001	3700 ±300MHz	2.2 max. (at 25°C)	2.3 max. (-40~+85°C)	50	200	GSM
LDB215G1210C-001	5125 ±225MHz	1.10 max. (at 25°C)	1.25 max. (-40~+85°C)	50	100	WLAN/BT
LDB215G2505C-001	5250 ±100MHz	1.10 max. (at 25°C)	1.25 max. (-40~+85°C)	50	50	WLAN/BT
LDB215G2510C-001	5250 ±100MHz	0.95 max. (at 25°C)	1.10 max. (-40~+85°C)	50	100	WLAN/BT
LDB215G2520C-001	5250 ±100MHz	1.10 max. (at 25°C)	1.25 max. (-40~+85°C)	50	200	WLAN/BT
LDB215G3710C-001	5375 ±475MHz	0.95 max. (at 25°C)	1.10 max. (-40~+85°C)	50	100	WLAN/BT
LDB215G5105C-001	5512 ±363MHz	1.10 max. (at 25°C)	1.25 max. (-40~+85°C)	50	50	WLAN/BT
LDB215G5110C-001	5512 ±363MHz	0.95 max. (at 25°C)	1.10 max. (-40~+85°C)	50	100	WLAN/BT
LDB215G5120C-001	5512 ±363MHz	1.10 max. (at 25°C)	1.25 max. (-40~+85°C)	50	200	WLAN/BT
LDB21869M10C-001	869.5 ±45.5MHz	1.0 max. (at 25°C)	1.1 max. (-40~+85°C)	50	100	GSM
LDB21869M15C-001	869.5 ±45.5MHz	1.2 max. (at 25°C)	1.3 max. (-40~+85°C)	50	150	GSM
LDB21869M20C-001	869.5 ±45.5MHz	1.2 max. (at 25°C)	1.3 max. (-40~+85°C)	50	200	GSM

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Part Number	Frequency Range (MHz)	Insertion Loss I) (dB)	Insertion Loss II) (dB)	Unbalance Impedance (Nom.) (ohm)	Balance Impedance (Nom.) (ohm)	Application
LDB21881M05C-001	881.5 ±12.5MHz	1.4 max. (at 25°C)	1.5 max. (-40~+85°C)	50	50	GSM
LDB21881M20C-001	881.5 ±12.5MHz	1.4 max. (at 25°C)	1.5 max. (-40~+85°C)	50	200	GSM
LDB21942M05C-001	942.5 ±17.5MHz	1.4 max. (at 25°C)	1.5 max. (-40~+85°C)	50	50	GSM
LDB21942M20C-001	942.5 ±17.5MHz	1.3 max. (at 25°C)	1.4 max. (-40~+85°C)	50	200	GSM
LDM181G9310CC001	1932.5 ±222.5MHz	0.85 max. (at 25°C)	0.95 max. (-40~+85°C)	50	100	UMTS
LDM181G9610TA007	1960 ±30MHz	0.55 max. (at 25°C)	0.60 max. (-40~+85°C)	50	100	UMTS
LDM182G4505CC001	2450 ±50MHz	0.88 max. (at 25°C)	0.98 max. (-40~+85°C)	50	50	WLAN/BT
LDM182G4505GC004	2450 ±50MHz	0.88 max. (at 25°C)	0.98 max. (-40~+85°C)	50	50	WLAN/BT
LDM182G4510CC001	2450 ±50MHz	0.75 max. (at 25°C)	0.85 max. (-40~+85°C)	50	100	WLAN/BT
LDM182G4510HC003	2450 ±50MHz	0.75 max. (at 25°C)	0.85 max. (-40~+85°C)	50	100	WLAN/BT
LDM182G5005CC001	2500 ±200MHz	0.9 max. (at 25°C)	1.0 max. (-40~+85°C)	50	50	WLAN/BT
LDM185G4210CC001	5425 ±525MHz	0.9 max. (at 25°C)	1.00 max. (-40~+85°C)	50	100	WLAN

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Murata:

<u>LDB21924M05C-001</u>	<u>LDB181G8405C-110</u>	<u>LDB31900M10C-437</u>	<u>LDB31900M20C-416</u>	<u>LDB213G7010C-002</u>
<u>LDB182G4510C-110</u>	<u>LDB213G6010C-001</u>	<u>LDB21906M20C-001</u>	<u>LDB32920M05D-463</u>	<u>LDB312G4010C-418</u>
<u>LDB32900M20C-200</u>	<u>LDB32900M10C-200</u>	<u>LDB212G1020C-001</u>	<u>LDB212G4020C-001</u>	<u>LDB212G4010C-001</u>
<u>LDB21897M20C-001</u>	<u>LDB312G4005C-300</u>	<u>LDB32850M05C-200</u>	<u>LDB211G9005C-001</u>	<u>LDB211G8005C-001</u>
<u>LDB311G2505E-423</u>	<u>LDB212G4005C-001</u>	<u>LDB43461M05C-400</u>	<u>LDB21881M20C-001</u>	<u>LDB21836M15C-002</u>
<u>LDB215G3710C-001</u>	<u>LDB211G7010C-001</u>	<u>LDB182G4520C-110</u>	<u>LDB185G3710G-120</u>	<u>LDB211G6610C-002</u>
<u>LDB211G6020C-001</u>	<u>LDB43461M20C-400</u>	<u>LDB211G8120C-002</u>	<u>LDB311G9010C-440</u>	<u>LDB211G8020C-001</u>
<u>LDB311G5020C-420</u>	<u>LDB211G4020C-001</u>	<u>LDB211G3610C-001</u>	<u>LDB211G7020C-001</u>	<u>LDB211G5020C-001</u>
<u>LDB211G5010C-001</u>	<u>LDB311G8010C-451</u>	<u>LDB32800M10C-200</u>	<u>LDB311G8020C-409</u>	<u>LDB211G9010C-001</u>
<u>LDB21881M05C-001</u>	<u>LDB311G8020C-300</u>	<u>LDB212G5005C-001</u>	<u>LDB311G6010C-300</u>	<u>LDB311G6020C-300</u>
<u>LDB212G1505C-001</u>	<u>LDB212G1405C-001</u>	<u>LDB212G1005C-001</u>	<u>LDB215G5110C-001</u>	<u>LDB311G5010C-300</u>
<u>LDB311G9020C-300</u>	<u>LDB311G7020C-300</u>	<u>LDB311G7010C-300</u>	<u>LDB215G2510C-001</u>	<u>LDB21942M20C-001</u>
<u>LDB21897M15C-003</u>	<u>LDB21897M05C-001</u>	<u>LDB183G7010C-110</u>	<u>LDB211G7005C-001</u>	<u>LDB21924M20C-001</u>
<u>LDB213G6505C-001</u>	<u>LDB21906M05C-001</u>	<u>LDB21836M20C-001</u>	<u>LDB312G4020C-301</u>	<u>LDB213G7205C-001</u>
<u>LDB211G6005C-001</u>	<u>LDB31900M05C-417</u>	<u>LDB184G5010C-110</u>	<u>LDB311G5005C-300</u>	<u>LDB311G9005C-300</u>
<u>LDB311G7005C-300</u>	<u>LDB311G8005C-300</u>	<u>LDB181G9505C-110</u>	<u>LDB181G9510C-110</u>	<u>LDB182G4505C-110</u>
<u>LDB181G8115G120</u>	<u>LDB181G8120G120</u>	<u>LDB182G4510G120</u>	<u>LDB182G5005G120</u>	<u>LDB182G5010G120</u>
<u>LDB183G4505G-120</u>	<u>LDB183G4510G-120</u>	<u>LDB183G6005G120</u>	<u>LDB183G6010G120</u>	<u>LDB185G3705G120</u>
<u>LDB18869M10G120</u>	<u>LDB211G8110C001</u>	<u>LDB211G8115C001</u>	<u>LDB213G7020C001</u>	<u>LDB215G2505C001</u>
<u>LDB215G2520C001</u>	<u>LDB215G5105C001</u>	<u>LDB21869M10C001</u>	<u>LDB21869M15C001</u>	<u>LDB21869M20C001</u>