

# Chip Multilayer Hybrid Couplers

## Directional Coupler



Part Number	Frequency Range (MHz)	Coupling (dB)	Insertion Loss (dB)	Isolation (min.) (dB)	VSWR (max.)	Characteristic Impedance (Nom.) (ohm)	Power Capacity (W)	Application
LDC15450M25Q-360	450 ±50MHz	25.1 ±1.8dB	0.15 max. (at 25°C)	38.0	1.5	-	3 max. (50ohm Load)	CDMA450
LDC15707M21Q-360	707 ±9MHz	21.1 ±1.0dB	0.23 max. (at 25°C)	35.0	1.4	-	3 max. (50ohm Load)	UMTS(Band12)
LDC15836M30Q-392	836.5 ±12.5MHz	30.6 ±1.0dB	0.20 max. (at 25°C)	38.0	1.4	-	3 max. (50ohm Load)	UMTS(Band5)
LDC15874M27Q-359	874 ±51MHz	27.2 ±1.0dB	0.20 max. (at 25°C)	42.0	1.4	50	3 max. (50ohm Load)	UMTS(Band5/8)
LDC15897M26SB008	897.5 ±17.5MHz	26.4 ±1.0dB	0.15 max. (at 25°C)	-	1.4	50	3 max. (50ohm Load)	UMTS(Band8)
LDC15906M19SB001	906.0 ±19.0MHz	19.3 ±1.0dB	0.22 max. (at 25°C)	-	1.4	50	3 max. (50ohm Load)	CDMA
LDC151G4418Q-352	1441 ±12MHz	18.9 ±1.0dB	0.23 max. (at 25°C)	32.0	1.4	50	3 max. (50ohm Load)	WCDMA
LDC151G7313Q-360	1732.5 ±22.5MHz	13.6 ±1.0dB	0.42 max. (at 25°C)	24.0	1.4	50	3 max. (50ohm Load)	UMTS(Band4)
LDC151G7424Q-392	1747 ±37.5MHz	24.1 ±1.0dB	0.20 max. (at 25°C)	30.0	1.4	50	3 max. (50ohm Load)	UMTS(Band4)
LDC151G7421Q-359	1747.5 ±37.5MHz	21.2 ±1.0dB	0.22 max. (at 25°C)	35.0	1.4	50	3 max. (50ohm Load)	UMTS(Band3)
LDC151G8117Q-352	1810 ±100MHz	17.0 ±1.2dB	0.25 max. (at 25°C)	32.0	1.4	50	3 max. (50ohm Load)	GSM
LDC151G8620Q-359	1865 ±115MHz	20.5 ±1.0dB	0.22 max. (at 25°C)	34.0	1.4	50	3 max. (50ohm Load)	UMTS(Band2)
LDC151G8824Q-393	1880 ±30MHz	24.7 ±1.0dB	0.20 max. (at 25°C)	32.0	1.4	50	3 max. (50ohm Load)	UMTS(Band2)

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Part Number	Frequency Range (MHz)	Coupling (dB)	Insertion Loss (dB)	Isolation (min.) (dB)	VSWR (max.)	Characteristic Impedance (Nom.) (ohm)	Power Capacity (W)	Application
<b>LDC151G9120Q-359</b>	1915 ±65MHz	20.4 ±1.0dB	0.22 max. (at 25°C)	34.0	1.4	50	3 max. (50ohm Load)	UMTS(Band1)
<b>LDC151G9523Q-392</b>	1950 ±30MHz	23.2 ±1.0dB	0.20 max. (at 25°C)	30.0	1.4	50	3 max. (50ohm Load)	UMTS(Band1)
<b>LDC152G1419Q-359</b>	2140 ±30MHz	19.4 ±1.0dB	0.26 max. (at 25°C)	33.0	1.5	50	3 max. (50ohm Load)	UMTS(Band1)
<b>LDC152G3518Q-359</b>	2350 ±50MHz	18.7 ±1.0dB	0.28 max. (at 25°C)	31.0	1.4	50	3 max. (50ohm Load)	WLAN
<b>LDC152G4518Q-359</b>	2450 ±50MHz	18.4 ±1.0dB	0.29 max. (at 25°C)	31.0	1.4	50	3 max. (50ohm Load)	WLAN
<b>LDC152G5318Q-359</b>	2535 ±35MHz	18.1 ±1.0dB	0.30 max. (at 25°C)	31.0	1.4	50	3 max. (50ohm Load)	UMTS(Band7)
<b>LDC18836M32Q-370</b>	836.5 ±12.5MHz	32.2 ±1.2dB	0.17 max. (at 25°C)	44.0	1.5	50	3 max. (50ohm Load)	UMTS(Band5)
<b>LDC18897M20Q-361</b>	897.5 ±17.5MHz	20.5 ±1.0dB	0.22 max. (at 25°C)	33.0	1.5	50	3 max. (50ohm Load)	UMTS(Band8)
<b>LDC181G7426Q-370</b>	1747.5 ±37.5MHz	26.0 ±1.2dB	0.17 max. (at 25°C)	49.0	1.5	50	3 max. (50ohm Load)	UMTS(Band4)
<b>LDC181G8825Q-370</b>	1880.0 ±30.0MHz	25.3 ±1.2dB	0.22 max. (at 25°C)	45.5	1.5	50	3 max. (50ohm Load)	UMTS(Band2)
<b>LDC181G9525Q-370</b>	1950.0 ±30.0MHz	25.0 ±1.2dB	0.22 max. (at 25°C)	44.0	1.5	50	3 max. (50ohm Load)	UMTS(Band1)
<b>LDC21836M20B-027</b>	836.5 ±12.5MHz	20.6 ±1.0dB	0.15 max. (at 25°C)	28.0	1.4	50	3 max. (50ohm Load)	CDMA
<b>LDC211G8820B-042</b>	1880.0 ±30.0MHz	20.0 ±1.0dB	0.23 max. (at 25°C)	26.0	1.4	50	3 max. (50ohm Load)	CDMA
<b>LDC211G9517B-031</b>	1950.0 ±30.0MHz	17.3 ±1.0dB	0.27 max. (at 25°C)	21.0	1.4	50	3 max. (50ohm Load)	UMTS(Band1)

Operating Temperature Range: -40°C to +85°C