

Directional Couplers



Frequency (MHz)	Case Size	Insertion Loss Maximum (dB)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 4,000		Johanson Technology Part No.
				1	10	100		Qty.	Pricing	
Dual Band, Dual Path										
824 - 915, 999 - 1,102	14†	0.4, 0.6	712-1148-1-ND	.73	.64	.59	712-1148-2-ND	294.76/M	0869CP14B1050T	
824 - 915, 1,710 - 1,910	14†	0.4, 0.4	712-1137-1-ND	.57	.49	.46	712-1137-2-ND	225.79/M	0869CD14A1810T	
880 - 915, 1,710 - 1,785	15-2A	0.4, 0.4	712-1138-1-ND	.92	.80	.74	712-1138-2-ND	368.09/M	0898CD15B1748E	
880 - 915, 1,710 - 1,785	15-2A	0.35, 0.45	712-1139-1-ND	.44	.39	.36	712-1139-2-ND	177.15/M	0898CD15C1748E	
880 - 915, 1,710 - 1,785	15-2A	0.35, 0.5	712-1140-1-ND	.92	.80	.74	712-1140-2-ND	368.09/M	0898CD15D1748E	
Couplers with Low Pass Filter										
880 - 915	15-1C	0.7	712-1141-1-ND	.44	.39	.36	712-1141-2-ND	177.15/M	0898CF15A035E	
1,710 - 1,785	15-1C	0.5	712-1142-1-ND	.44	.39	.36	712-1142-2-ND	177.15/M	1748CF15A075E	
Splitter, 3dB Hybrid										
850 - 910	15-4	3.3 ±0.5	712-1143-1-ND	.85	.74	.68	712-1143-2-ND	339.05/M	0880CH15A060E	
1,900 - 2,000	15-4	3.3 ±0.5	712-1145-1-ND	.85	.74	.68	712-1145-2-ND	339.05/M	1950CH15A100E	
Directional Couplers										
810 - 885	14-1	0.25	712-1146-1-ND	.73	.64	.59	712-1146-2-ND	294.76/M	0848CP14A075T	
824 - 915	14-1	0.3	712-1147-1-ND	.73	.64	.59	712-1147-2-ND	294.76/M	0869CP14A090T	
880 - 915	14-1	0.28	712-1149-1-ND	.55	.48	.45	712-1149-2-ND	220.71/M	0898CP14A035T	
880 - 915	14-1	0.25	712-1150-1-ND	.73	.64	.59	712-1150-2-ND	294.76/M	0898CP14B035T	
880 - 915	15-1C	0.5	712-1151-1-ND	.66	.58	.54	712-1151-2-ND	264.99/M	0898CP15A035E	
955 - 979	14-1	0.5	712-1152-1-ND	.73	.64	.59	712-1152-2-ND	294.76/M	0967CP14A024T	
1,710 - 1,785	14-1	0.44	712-1153-1-ND	.55	.48	.45	712-1153-2-ND	220.71/M	1747CP14A075T	
1,710 - 1,785	15-1C	0.5	712-1154-1-ND	.66	.58	.54	712-1154-2-ND	264.99/M	1748CP15A075E	
1,710 - 1,910	14-1	0.3	712-1155-1-ND	.73	.64	.59	712-1155-2-ND	294.76/M	1810CP14A200T	
2,400 - 2,500	14-1	0.74	712-1156-1-ND	.57	.49	.46	712-1156-2-ND	225.79/M	2450CP14A100T	
2,400 - 2,500	14-1	0.34	712-1157-1-ND	.57	.49	.46	712-1157-2-ND	225.79/M	2450CP14B100T	

† See Digi-Key website for detailed specifications. † Dual Band, Single Path

Designer Kit

‡ 712-1400-ND WIMAX 0402 Series Designer Kit 43.56



RF Chip Inductors



Package Type	Inductance (nH)	Tolerance	Test Frequency (MHz)	Rate Current (mA)	Q (Min.)	DCR (Ω)	SRF Min. (MHz)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Johanson Technology Part No.	
									1	10	100		Qty.	Pricing		
0402	10	±5	100	250	8	.45	3,700	712-1407-1-ND	.04	.30	2.35	712-1407-2-ND	10,000	10.17/M	L-07C10NJV6T	
	15	±5	100	250	8	.60	3,100	712-1408-1-ND	.04	.30	2.35	712-1408-2-ND	10,000	10.17/M	L-07C15NJV6T	
	18	±5	100	200	8	.65	2,900	712-1409-1-ND	.04	.30	2.35	712-1409-2-ND	10,000	10.17/M	L-07C18NJV6T	
	1.0	±0.3	100	300	8	.12	15,000	712-1410-1-ND	.04	.30	2.35	712-1410-2-ND	10,000	10.17/M	L-07C11NOSV6T	
	1.2	±0.3	100	300	8	.12	15,000	712-1454-1-ND	.04	.30	2.35	712-1454-2-ND	10,000	10.17/M	L-07C12NSV6T	
	1.5	±0.3	100	300	8	.13	15,000	712-1411-1-ND	.04	.30	2.35	712-1411-2-ND	10,000	10.17/M	L-07C11NSV6T	
	1.8	±0.3	100	300	8	.14	14,000	712-1412-1-ND	.04	.30	2.35	712-1412-2-ND	10,000	10.17/M	L-07C11NSV6T	
	2.4	±0.3	100	300	8	.16	10,000	712-1456-1-ND	.04	.30	2.35	712-1456-2-ND	10,000	10.17/M	L-07C2N4SV6T	
	3	±0.3	100	300	8	.18	9,000	712-1457-1-ND	.04	.30	2.35	712-1457-2-ND	10,000	10.17/M	L-07C3NOSV6T	
	3.9	±0.3	100	300	8	.22	7,000	712-1459-1-ND	.04	.30	2.35	712-1459-2-ND	10,000	10.17/M	L-07C3NSV6T	
	4.3	±0.3	100	300	8	.24	6,000	712-1460-1-ND	.04	.30	2.35	712-1460-2-ND	10,000	10.17/M	L-07C4NSV6T	
	5.1	±0.3	100	300	8	.26	5,500	712-1461-1-ND	.04	.30	2.35	712-1461-2-ND	10,000	10.17/M	L-07C5N1SV6T	
	5.6	±0.3	100	300	8	.27	5,400	712-1462-1-ND	.04	.30	2.35	712-1462-2-ND	10,000	10.17/M	L-07C5NSV6T	
	7.5	±5	100	250	8	.40	4,600	712-1463-1-ND	.03	.26	2.12	712-1463-2-ND	10,000	9.44/M	L-07C7N5JV6T	
	12	±5	100	250	8	.50	3,200	712-1453-1-ND	.04	.30	2.35	712-1453-2-ND	10,000	10.17/M	L-07C12NJV6T	
	22	±5	100	200	8	.80	2,100	712-1455-1-ND	.04	.30	2.35	712-1455-2-ND	10,000	10.17/M	L-07C22NJV6T	
	39	±5	100	150	8	1.20	1,400	712-1458-1-ND	.04	.30	2.35	712-1458-2-ND	10,000	10.17/M	L-07C39NJV6T	
	27.0	±5	100	200	8	.90	1,900	712-1413-1-ND	.04	.30	2.35	712-1413-2-ND	10,000	10.17/M	L-07C27NJV6T	
	2.2	±0.3	100	300	8	.16	12,000	712-1414-1-ND	.04	.30	2.35	712-1414-2-ND	10,000	10.17/M	L-07C2N2SV6T	
	2.7	±0.3	100	300	8	.17	9,500	712-1415-1-ND	.04	.30	2.35	712-1415-2-ND	10,000	10.17/M	L-07C2N7SV6T	
	3.3	±0.3	100	300	8	.19	8,500	712-1416-1-ND	.04	.30	2.35	712-1416-2-ND	10,000	10.17/M	L-07C3N3SV6T	
	4.7	±0.3	100	300	8	.24	6,000	712-1417-1-ND	.04	.30	2.35	712-1417-2-ND	10,000	10.17/M	L-07C4N7SV6T	
	6.8	±5	100	250	8	.32	5,000	712-1419-1-ND	.04	.30	2.35	712-1419-2-ND	10,000	10.17/M	L-07C6N8JV6T	
	8.2	±5	100	250	8	.40	4,600	712-1420-1-ND	.04	.30	2.35	712-1420-2-ND	10,000	10.17/M	L-07C8N2JV6T	
	33.0	±5	100	200	8	1.00	1,600	712-1464-1-ND	.04	.30	2.35	712-1464-2-ND	10,000	10.17/M	L-07C33NJV6T	
	47.0	±5	100	150	8	1.30	1,200	712-1421-1-ND	.04	.30	2.35	712-1421-2-ND	10,000	10.30/M	L-07C47NJV6T	
	68.0	±5	100	100	8	2.20	1,000	712-1422-1-ND	.04	.30	2.35	712-1422-2-ND	10,000	10.30/M	L-07C68NJV6T	
	100	±5	100	100	8	2.50	850	712-1423-1-ND	.05	.42	3.34	712-1423-2-ND	10,000	14.62/M	L-07CR10JV6T	
	0603	1.0	±0.3	100	300	8	.10	17,000	712-1424-1-ND	.04	.35	2.80	712-1424-2-ND	4,000	12.23/M	L-14C1NOSV4T
		1.5	±0.3	100	300	8	.10	17,000	712-1425-1-ND	.04	.35	2.80	712-1425-2-ND	4,000	12.23/M	L-14C1NSV4T
1.8		±0.3	100	300	8	.10	13,000	712-1426-1-ND	.04	.35	2.80	712-1426-2-ND	4,000	12.23/M	L-14C1N8SV4T	
2.2		±0.3	100	300	8	.15	12,000	712-1427-1-ND	.04	.35	2.80	712-1427-2-ND	4,000	12.23/M	L-14C2N2SV4T	
3.3		±0.3	100	300	8	.20	6,500	712-1428-1-ND	.04	.35	2.80	712-1428-2-ND	4,000	12.23/M	L-14C3NSV4T	
3.9		±0.3	100	300	8	.20	6,300	712-1429-1-ND	.04	.35	2.80	712-1429-2-ND	4,000	12.23/M	L-14C3NSV4T	
4.7		±0.3	100	300	8	.20	5,400	712-1430-1-ND	.04	.35	2.80	712-1430-2-ND	4,000	12.23/M	L-14C4N7SV4T	
5.6		±0.3	100	300	8	.25	4,600	712-1431-1-ND	.04	.35	2.80	712-1431-2-ND	4,000	12.23/M	L-14C5NSV4T	
6.8		±5	100	300	8	.30	4,500	712-1432-1-ND	.04	.35	2.80	712-1432-2-ND	4,000	12.23/M	L-14C6N8JV4T	
8.2		±5	100	300	8	.33	3,800	712-1433-1-ND	.04	.35	2.80	712-1433-2-ND	4,000	12.23/M	L-14C8N2JV4T	
10		±5	100	300	8	.35	3,700	712-1434-1-ND	.05	.41	3.23	712-1434-2-ND	4,000	14.13/M	L-14C10NJV4T	
12		±5	100	300	8	.40	3,200	712-1435-1-ND	.05	.41	3.23	712-1435-2-ND	4,000	14.13/M	L-14C12NJV4T	
15		±5	100	300	8	.45	2,900	712-1436-1-ND	.05	.41	3.23	712-1436-2-ND	4,000	14.13/M	L-14C15NJV4T	
18		±5	100	300	10	.50	2,100	712-1437-1-ND	.05	.41	3.23	712-1437-2-ND	4,000	14.13/M	L-14C18NJV4T	
22		±5	100	300	10	.55	2,100	712-1438-1-ND	.05	.41	3.23	712-1438-2-ND	4,000	14.13/M	L-14C22NJV4T	
27	±5	100	300	10	.60	2,000	712-1439-1-ND	.05	.41	3.23	712-1439-2-ND	4,000	14.13/M	L-14C27NJV4T		
33	±5	100	300	10	.65	1,600	712-1440-1-ND	.05	.41	3.23	712-1440-2-ND	4,000	14.13/M	L-14C33NJV4T		

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