

TDK Common Mode Choke Coils for DC Power and Signal Line / SMD



Features: • A chip-type common mode filter for large current applications • Common mode impedance surpasses 80 – 10,000Ω at 100MHz • Noise is greatly suppressed • Height and size have been considered, resulting in a compact and light weight choke coil • Applicable for the miniaturization required to reduce the size and weight of portable equipment

Dimensions in mm

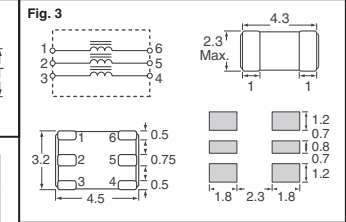
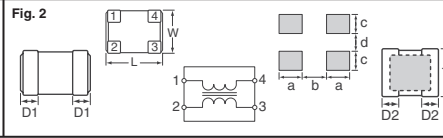
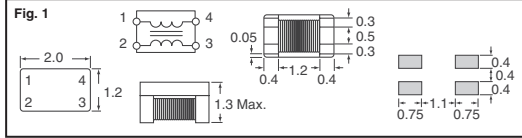


Fig.	L (mm)	W (mm)	T Max. (mm)	D1 (mm)	D2 (mm)	A (mm)	B (mm)	C (mm)	D Type (mm)	E (mm)	a (mm)	b (mm)	c (mm)	d (mm)	TDK Part No. Family
2	3.2	2.5	2.3	0.7	0.65	—	—	—	—	—	1.5	1.6	1.4	1.1	ACM3225-xxx-2P
	4.5	3.2	3.0	1	1	—	—	—	—	—	1.8	2.3	1.75	1.1	ACM4532-xxx-2P
	4.5	3.2	3.0	0.65	0.65	—	—	—	—	—	1.35	3.2	0.9	1.6	ACT45B-xxx-2P
4	7.0	6.0	3.5	—	—	1.5	1.5	1.5	4.0	2.2	2.5	4.0	1.5	1.5	ACM7060-xxx-2PL
	9.0	7.0	4.5	—	—	1.5	2.0	1.5	6.0	2.9	2.5	6.0	1.5	2.0	ACM9070-701-2PL
	12.0	11.0	6.0	—	—	2.7	2.5	2.3	7.4	3.8	3.2	7.6	2.7	2.5	ACM1211-xxx-2PL
	15.0	13.0	6.0	—	—	2.7	3.8	2.3	10.4	3.8	3.3	10.4	2.7	3.8	ACM1513-551-2PL
	7.0	6.0	3.5	—	—	1.5	1.5	1.5	4.0	—	2.5	4.0	1.5	1.5	ACM70V-xxx-2PL
	9.0	7.0	4.5	—	—	1.5	2.0	1.5	6.0	—	2.5	6.0	1.5	2.0	ACM90V-xxx-2PL
12	11	6.0	—	—	2.7	2.5	2.3	7.4	—	3.3	7.4	2.7	2.5	ACM12V-xxx-2PL	

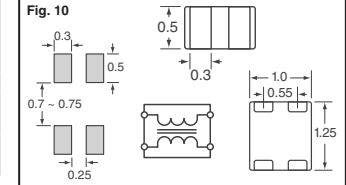
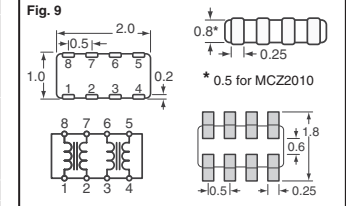
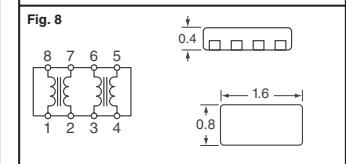
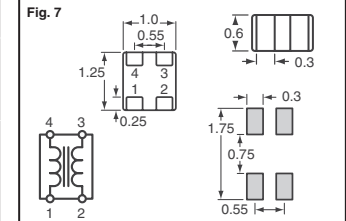
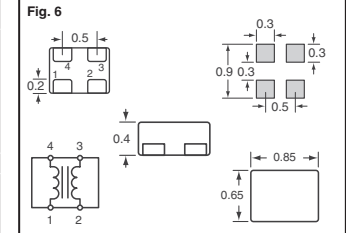
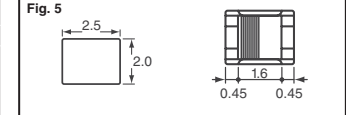
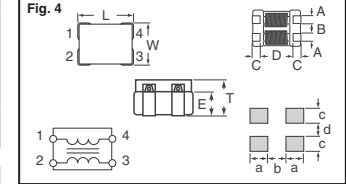


Fig.	Typical Impedance @ 100MHz (Ω)	Max. DC Resistance (Ω)	Max. Rated Idc (A)	No. of Lines	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		TDK Part No.	
						1	10	50	Qty.	Pricing		
ACM Series												
1	90	0.19	0.4	2	445-2207-1-ND	.46	.40	.37	2,000	211.63/M	ACM2012-900-2P-T	
	120	0.22	0.37	2	445-2208-1-ND	.46	.40	.37	2,000	211.63/M	ACM2012-121-2P-T000	
	200	0.25	0.35	2	445-2209-1-ND	.46	.40	.37	2,000	211.63/M	ACM2012-201-2P-T002	
	360	0.5	0.22	2	445-2210-1-ND	.46	.40	.37	2,000	211.63/M	ACM2012-361-2P-T000	
	90	0.30	0.300	2	445-5193-1-ND	.60	.53	.49	2,000	280.28/M	ACM2012H-900-2P-T00	
2	80	0.15	0.4	2	445-2030-1-ND	.78	.68	.63	1,000	362.78	ACM3225-800-2P-T001	
	270	0.3	0.3	2	445-2032-1-ND	.78	.68	.63	1,000	362.78	ACM3225-271-2P-T001	
	1000	0.5	0.2	2	445-2033-1-ND	.78	.68	.63	1,000	362.78	ACM3225-102-2P-T001	
	600	0.2	1.0	2	445-2035-1-ND	.78	.68	.63	1,000	362.78	ACM3225-601-2P-T001	
	600	0.1	1.5	2	445-2036-1-ND	.84	.73	.68	500	196.51	ACM4532-601-2P-T001	
	800	0.1	1.0	2	445-2037-1-ND	.84	.73	.68	500	196.51	ACM4532-801-2P-T001	
3	1000	0.6	0.2	3	445-2034-1-ND	.84	.73	.68	500	196.51	ACM4532-102-3P	
	300	0.01	5	2	445-2214-1-ND	1.27	1.10	1.02	1,500	589.53/M	ACM7060-301-2PL-TL	
	700	0.015	4	2	445-2215-1-ND	1.27	1.10	1.02	1,500	589.53/M	ACM7060-701-2PL-TL	
	700	0.01	5	2	445-2216-1-ND	1.27	1.10	1.02	800	471.62	ACM9070-701-2PL-TL	
	700	0.006	8	2	445-2212-1-ND	1.78	1.55	1.43	500	415.69	ACM1211-701-2PL-TL	
	700	15	4.0	2	445-4081-1-ND	1.35	1.18	1.09	1,500	631.04/M	ACM70V-701-2PL-TL00	
	700	10	5.0	2	445-4082-1-ND	1.51	1.31	1.21	800	560.56	ACM90V-701-2PL-TL00	
4	700	6	8.0	2	445-4083-1-ND	1.95	1.70	1.57	500	455.66	ACM12V-701-2PL-TL00	
	1000	0.014	6	2	445-2213-1-ND	1.78	1.55	1.43	500	415.69	ACM1211-102-2PL-TL	
	550	0.004	10	2	445-2211-1-ND	2.11	1.83	1.69	500	491.27	ACM1513-551-2PL-TL	
	300	0.35	0.4	2	445-2966-1-ND	.63	.55	.51	2,000	296.30/M	ACM2520-301-2P	
	450	0.4	0.35	2	445-2967-1-ND	.63	.55	.51	2,000	296.30/M	ACM2520-451-2P	
5	600	0.45	0.3	2	445-2968-1-ND	.63	.55	.51	2,000	296.30/M	ACM2520-601-2P-T	
	1000	0.9	0.2	2	445-2969-1-ND	.63	.55	.51	2,000	296.30/M	ACM2520-102-2P	
	800	1.6	0.15	3	445-4842-1-ND	.75	.66	.61	2,000	350.35/M	ACM2520-801-3P-T002	
	TCM Series											
6	35	1.15	0.10	2	445-5382-1-ND	.45	.40	.37	10,000	198.60/M	TCM0806G-350-2P	
	65	2.50	0.10	2	445-5383-1-ND	.45	.40	.37	10,000	198.60/M	TCM0806G-650-2P	
	90	2.70	0.10	2	445-5384-1-ND	.45	.40	.37	10,000	198.60/M	TCM0806G-900-2P	
7	65	1.5	0.10	2	445-2970-1-ND	.46	.41	.38	4,000	217.82/M	TCM1210-650-2P	
	90	1.75	0.10	2	445-2971-1-ND	.46	.41	.38	4,000	217.82/M	TCM1210-900-2P-T	
	200	2.7	0.10	2	445-2972-1-ND	.46	.41	.38	4,000	217.82/M	TCM1210-201-2P-T	
	300	3.5	0.05	2	445-2973-1-ND	.46	.41	.38	4,000	217.82/M	TCM1210-301-2P-T	
	90	.85	0.10	2	445-5179-1-ND	.90	.79	.73	4,000	420.42/M	TCM1210H-900-2P-T000	
8	35	.85	0.10	4	445-5385-1-ND	.45	.40	.37	4,000	210.61/M	TCM1608G-350-4P	
	65	1.30	0.10	4	445-5386-1-ND	.45	.40	.37	4,000	210.61/M	TCM1608G-650-4P	
	90	1.50	0.10	4	445-5387-1-ND	.45	.40	.37	4,000	210.61/M	TCM1608G-900-4P	
	200	4.00	0.05	4	445-5388-1-ND	.45	.40	.37	4,000	210.61/M	TCM1608G-201-4P	
9	65	1.5	0.10	4	445-2974-1-ND	.75	.66	.61	4,000	350.75/M	TCM2010-650-4P	
	100	1.5	0.10	4	445-2975-1-ND	.75	.66	.61	4,000	350.75/M	TCM2010-101-4P-T	
	200	2.0	0.10	4	445-2976-1-ND	.75	.66	.61	4,000	350.75/M	TCM2010-201-4P-T	
	90	1.0	0.10	4	445-5180-1-ND	1.35	1.18	1.09	4,000	630.63/M	TCM2010H-900-4P-T000	
ACT Series												
2	700	0.6	0.25	2	445-3956-1-ND	2.02	1.75	1.62	2,000	941.74/M	ACT45B-110-2P-TL003	
	1000	1.0	0.20	2	445-3957-1-ND	2.02	1.75	1.62	2,000	941.74/M	ACT45B-220-2P-TL003	
	2000	1.0	0.20	2	445-3958-1-ND	2.02	1.75	1.62	2,000	941.74/M	ACT45B-510-2P-TL003	
	5000	3.0	0.15	2	445-3959-1-ND	2.02	1.75	1.62	2,000	941.74/M	ACT45B-101-2P-TL003	
MCZ Series												
9	90	1.5	.10	2	445-5391-1-ND	.75	.66	.61	5,000	330.73/M	MCZ2010AH900	
	120	2.0	.10	2	445-5392-1-ND	.75	.66	.61	5,000	330.73/M	MCZ2010AH121	
10	36	1.0	.20	2	445-5389-1-ND	.38	.33	.31	4,000	175.38/M	MCZ1210AH360	
	90	1.75	.10	2	445-5390-1-ND	.38	.33	.31	4,000	175.38/M	MCZ1210AH900	

† For Tape and Reel part number, change 1-ND to 2-ND.

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

1592 (EU2011-EN) **Free shipping on orders over €65! All prices in euro and include duties.**