



**Features:** • A chip-type common mode filter for large current applications • Common mode impedance surpasses 80 - 1000Ω 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

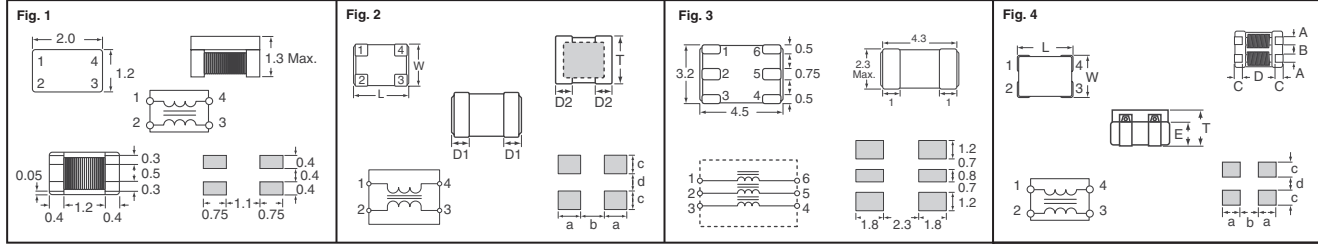


Fig.	L (mm)	W (mm)	T (mm) Max.	D1 (mm)	D2 (mm)	A (mm)	B (mm)	C (mm)	D (mm) Type	E (mm)	a (mm)	b (mm)	c (mm)	d (mm)	TDK Part No. Family
2	3.2	2.5	2.3	0.7	0.65	—	—	—	—	—	1.5	1.6	1.4	1.1	ACM3225-xxx-2P ACM4532-xxx-2P
	4.5	3.2	3.0	1	1	—	—	—	—	—	1.8	2.3	1.75	1.1	
4	7.0	6.0	3.5	—	—	1.5	1.5	1.5	4.0	2.2	2.5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

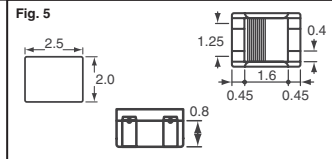
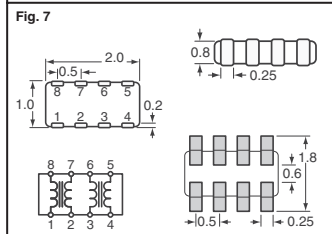
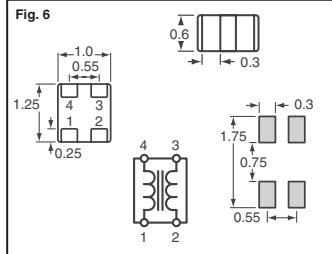
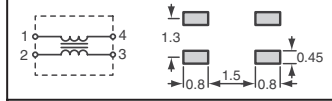


Fig.	Typical Impedance @ 100MHz (Ω)	Max. DC Resistance (Ω)	Max. Rated Current Idc (A)	No. of Lines	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel*		TDK Part No.	
						1	10	50	Qty.	Pricing		
<b>ACM Series</b>												
1	90	0.19	0.4	2	445-2207-1-ND	.41	.36	.33	2,000	191.86/M	ACM2012-900-2P-T	
	120	0.22	0.37	2	445-2208-1-ND	.41	.36	.33	2,000	191.86/M	ACM2012-121-2P-T000	
	200	0.25	0.35	2	445-2209-1-ND	.41	.36	.33	2,000	191.86/M	ACM2012-201-2P-T000	
	360	0.5	0.22	2	445-2210-1-ND	.41	.36	.33	2,000	191.86/M	ACM2012-361-2P-T000	
2	80	0.15	0.4	2	445-2030-1-ND	.70	.62	.57	1,000	328.89	ACM3225-800-2P-T001	
	270	0.3	0.3	2	445-2032-1-ND	.70	.62	.57	1,000	328.89	ACM3225-271-2P-T001	
	1000	0.5	0.2	2	445-2033-1-ND	.70	.62	.57	1,000	328.89	ACM3225-102-2P-T001	
	600	0.2	1.0	2	445-2035-1-ND	.70	.62	.57	1,000	328.89	ACM3225-601-2P-T001	
	600	0.1	1.5	2	445-2036-1-ND	.76	.67	.62	500	178.15	ACM4532-601-2P-T001	
	800	0.1	1.0	2	445-2037-1-ND	.76	.67	.62	500	178.15	ACM4532-801-2P-T001	
3	1000	0.6	0.2	3	445-2034-1-ND	.76	.67	.62	500	178.15	ACM4532-102-3P	
	300	0.01	5	2	445-2214-1-ND	1.15	1.00	.92	1,500	534.46/M	ACM7060-301-2PL-TL	
	700	0.015	4	2	445-2215-1-ND	1.15	1.00	.92	1,500	534.46/M	ACM7060-701-2PL-TL	
	700	0.01	5	2	445-2216-1-ND	1.15	1.00	.92	800	427.57	ACM9070-701-2PL-TL	
	700	0.006	8	2	445-2212-1-ND	1.61	1.40	1.30	500	376.86	ACM1211-701-2PL-TL	
	1000	0.014	6	2	445-2213-1-ND	1.61	1.40	1.30	500	376.86	ACM1211-102-2PL-TL	
4	550	0.004	10	2	445-2211-1-ND	1.91	1.66	1.53	500	445.39	ACM1513-551-2PL-TL	
	300	0.35	0.4	2	445-2966-1-ND	.57	.50	.47	2,000	268.62/M	ACM2520-301-2P	
	450	0.4	0.35	2	445-2967-1-ND	.57	.50	.47	2,000	268.62/M	ACM2520-451-2P	
	600	0.45	0.3	2	445-2968-1-ND	.57	.50	.47	2,000	268.62/M	ACM2520-601-2P-T	
5	1000	0.9	0.2	2	445-2969-1-ND	.57	.50	.47	2,000	268.62/M	ACM2520-102-2P	
	<b>TCM Series</b>											
6	65	1.5	0.10	2	445-2970-1-ND	.42	.37	.34	4,000	197.48/M	TCM1210-650-2P	
	90	1.75	0.10	2	445-2971-1-ND	.42	.37	.34	4,000	197.48/M	TCM1210-900-2P-T	
	200	2.7	0.10	2	445-2972-1-ND	.42	.37	.34	4,000	197.48/M	TCM1210-201-2P-T	
	300	3.5	0.05	2	445-2973-1-ND	.42	.37	.34	4,000	197.48/M	TCM1210-301-2P-T	
7	65	1.5	0.10	4	445-2974-1-ND	.68	.59	.55	4,000	317.99/M	TCM2010-650-4P	
	100	1.5	0.10	4	445-2975-1-ND	.68	.59	.55	4,000	317.99/M	TCM2010-101-4P-T	
	200	2.0	0.10	4	445-2976-1-ND	.68	.59	.55	4,000	317.99/M	TCM2010-201-4P-T	
	260	5.0	0.04	4	445-2977-1-ND	.68	.59	.55	4,000	317.99/M	TCM2010-261-4P-T	

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

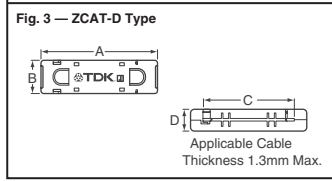
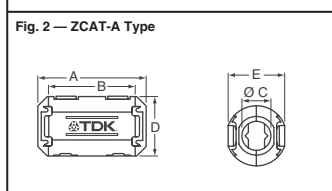
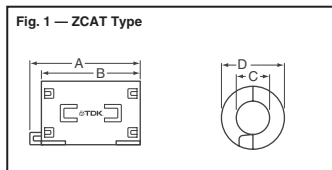


## Clamp Filters for Cable



**Features:** • Unique plastic case ensures simple, convenient installation and includes a self-holding mechanism to prevent slippage on cables • Ferrite core provides excellent absorption of high-frequency EMC • Highly effective as countermeasure against common mode EMC without adverse effect on signal quality • Large core size prevents saturation during large signal surges

Fig.	Dimensions (mm)					Minimum Impedance @ 50 - 500MHz (Ω)	Outer Cable Diameter (mm)	Case Color	Digi-Key Part No.	Price Each				TDK Part No.	
	A	B	ØC	ØD	E					1	10	50	100		
<b>ZCAT Type</b>															
1	22	18	7	15	—	35	7 Max.	Gray	445-2040-ND	.79	.66	.57	.51	ZCAT1518-0730	
	22	18	7	15	—	35	7 Max.	Black	445-2041-ND	.79	.66	.57	.51	ZCAT1518-0730-BK	
	21	17	9	20	—	35	9 Max.	Gray	445-2044-ND	.94	.78	.67	.61	ZCAT2017-0930	
	21	17	9	20	—	35	9 Max.	Black	445-2045-ND	.94	.78	.67	.61	ZCAT2017-0930-BK	
	36	32	11	20.5	—	50	11 Max.	Gray	445-2048-ND	.84	.70	.60	.54	ZCAT2132-1130	
	36	32	11	20.5	—	50	11 Max.	Black	445-2049-ND	.84	.70	.60	.54	ZCAT2132-1130-BK	
2	39	34	13	30	—	100	13 Max.	Gray	445-2054-ND	1.85	1.54	1.33	1.19	ZCAT3035-1330	
	39	34	13	30	—	100	13 Max.	Black	445-2055-ND	1.85	1.54	1.33	1.19	ZCAT3035-1330-BK	
	<b>ZCAT-A Type</b>														
	2	25	20	5	12.8	11.2	50	3 - 5	Gray	445-2038-ND	.52	.43	.37	.34	ZCAT1325-0530A
		25	20	5	12.8	11.2	50	3 - 5	Black	445-2039-ND	.52	.43	.37	.34	ZCAT1325-0530A-BK
		30	23	7	16.5	15	50	4 - 7	Gray	445-2042-ND	.89	.74	.64	.58	ZCAT1730-0730A
30		23	7	16.5	15	50	4 - 7	Black	445-2043-ND	.89	.74	.64	.58	ZCAT1730-0730A-BK	
35		28	9	19.5	17.4	80	6 - 9	Gray	445-2046-ND	.89	.74	.64	.58	ZCAT2035-0930A	
35		28	9	19.5	17.4	80	6 - 9	Black	445-2047-ND	.89	.74	.64	.58	ZCAT2035-0930A-BK	
3	35	28	10	21.5	20	80	8 - 10	Gray	445-2050-ND	1.16	.96	.83	.75	ZCAT2235-1030A	
	35	28	10	21.5	20	80	8 - 10	Black	445-2051-ND	1.16	.96	.83	.75	ZCAT2235-1030A-BK	
	36	29	13	23.5	22	50	10 - 13	Gray	445-2052-ND	1.48	1.23	1.06	.96	ZCAT2436-1330A	
	36	29	13	23.5	22	50	10 - 13	Black	445-2053-ND	1.48	1.23	1.06	.96	ZCAT2436-1330A-BK	
	<b>ZCAT-D Type</b>														
	3	45.5	24.5	34	12	—	35	26 Conductor Flat	Black	445-2057-ND	2.95	2.46	2.12	1.91	ZCAT4625-3430D-BK
67.5		18.5	52	16	—	35	40 Conductor Flat	Black	445-2058-ND	4.93	4.09	3.53	3.17	ZCAT6819-5230D-BK	



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.

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