



## EMI Suppression Toroidal Ferrite Cores

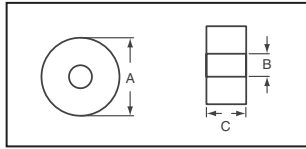


**Features:**

- Ferrite core made of NiZn, a material which works in a broadband frequency range
- Many different types and grades of material (NiZn) for the best possible interference suppression

**Applications:**

- Wires • Coaxial cables • Wire-wrapping cables
- Multiconductor wires • Power supplies • Data and gage signal lines



Max. Cable Diameter (mm)	Typical Impedance (Ω) with 1 Turn		Dimensions — mm			Digi-Key Part No.	Pricing			Würth Part No.
	@ 25MHz	@ 100MHz	A	B	C		1	25	100	
3.0	30	50	7.3	3.3	4.3	732-1515-ND	.22	4.63	16.39	74270111
4.6	76	123	9.5	5.0	14.5	732-1517-ND	.42	8.82	31.22	742701121
4.6	68	126	11.5	5.0	9.0	732-1518-ND	.33	7.02	24.82	74270113
4.7	25	37	10.0	5.0	3.7	732-1519-ND	.48	10.01	35.47	74270161
6.4	59	94	11.0	6.75	15.0	732-1520-ND	.70	14.57	51.60	74270162
9.6	41	161	14.0	10.0	8.0	732-1522-ND	.72	15.02	53.21	74270117
10.0	55	65	18.6	10.2	10.0	732-1524-ND	1.21	25.24	89.43	74270182
10.5	30	50	19.0	11.5	8.0	732-1526-ND	1.34	27.83	98.58	74270121
11.5	47	70	16.0	12.0	16.0	732-1527-ND	1.21	25.24	89.43	74270110
11.8	76	148	23.5	12.6	14.0	732-1528-ND	1.40	29.25	103.66	7427012
12.3	30	70	21.2	12.7	6.0	732-1529-ND	.87	18.12	64.18	74270118
13.3	45	133	22.5	13.8	6.4	732-1530-ND	.87	18.12	64.18	74270119
15.5	72	159	28.0	16.0	13.0	732-1532-ND	1.87	38.86	137.69	7427013
17.5	45	152	28.0	18.0	7.5	732-1533-ND	1.30	26.94	95.44	742701110
18.5	55	155	29.5	19.0	7.7	732-1534-ND	1.19	24.79	87.82	742701111
18.5	80	167	31.5	19.0	16.0	732-1536-ND	2.56	53.39	189.16	74270115
24.8	39	127	35.6	25.4	7.5	732-1538-ND	2.10	43.76	155.03	742701112
26.9	54	108	40.6	27.4	15.0	732-1539-ND	2.43	50.54	179.03	7427015

## EMI Suppression Axial Ferrite Beads

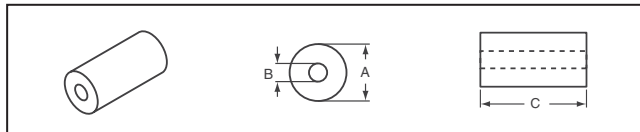


**Features:**

- Ferrite core made of NiZn, a material which works in a broadband frequency range
- Many different types and grades of materials (NiZn) for the best possible interference suppression
- Suitable for interference suppression within the HF and VHF range

**Applications:**

- Wires • Coaxial cables • Wire-wrapping cables • Multiconductor wires • Power supplies • Data and gage signal lines



Max. Cable Diameter (mm)	Typical Impedance (Ω) with 1 Turn		Dimensions — mm			Digi-Key Part No.	Pricing			Würth Part No.
	@ 25MHz	@ 100MHz	A	B	C		1	25	100	
4.4	56	162	9.5	4.75	9.5	732-1540-ND	.37	7.79	27.59	74270033
4.6	125	158	11.5	5.0	18.5	732-1541-ND	.76	15.86	56.21	74270030
4.6	163	198	11.5	5.0	20.5	732-1542-ND	.90	18.79	66.55	74270031
4.6	170	255	11.5	5.0	25.0	732-1543-ND	.98	20.49	72.58	74270032
5.1	150	240	10.5	5.5	28.5	732-1544-ND	.92	19.22	68.07	74270036
5.9	120	192	14.1	6.3	18.0	732-1546-ND	.94	19.58	69.36	74270060
5.9	180	258	14.1	6.3	28.6	732-1547-ND	1.23	25.71	91.07	7427004
6.0	85	120	9.9	6.35	19.5	732-1548-ND	.99	20.77	73.56	74270061
7.0	133	211	14.2	7.2	25.0	732-1550-ND	1.35	28.27	100.15	74270045
6.9	85	160	12.1	7.3	15.5	732-1551-ND	.80	16.77	59.39	74270034
7.5	300	451	15.85	7.93	50.8	732-1552-ND	4.24	88.41	313.20	74270044
7.6	195	258	16.0	8.0	28.5	732-1554-ND	1.63	34.17	121.06	74270053
8.6	83	143	16.0	9.0	17.0	732-1556-ND	1.20	24.92	88.28	74270054

Max. Cable Diameter (mm)	Typical Impedance (Ω) with 1 Turn		Dimensions — mm			Digi-Key Part No.	Pricing			Würth Part No.
	@ 25MHz	@ 100MHz	A	B	C		1	25	100	
8.6	133	217	16.0	9.0	28.0	732-1557-ND	1.35	28.00	99.18	7427005
9.1	71	170	17.5	9.5	12.7	732-1558-ND	1.19	24.82	87.91	74270091
9.8	133	225	18.6	10.2	28.5	732-1559-ND	1.83	38.27	135.58	74270055
10.0	90	150	17.5	10.7	25.0	732-1560-ND	1.92	40.05	141.88	74270093
11.0	202	338	19.0	11.5	50.8	732-1561-ND	4.88	101.73	360.40	74270057
15.0	116	192	26.0	15.5	28.5	732-1563-ND	4.23	87.94	311.54	74270096
17.5	115	153	28.0	18.0	28.5	732-1564-ND	2.98	62.19	220.32	74270095
33.4	64	133	61.0	35.5	12.7	732-1565-ND	6.51	135.70	480.74	74270097

## Ferrite Cores

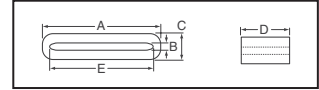


**Features:**

- Filter for common mode interferences
- Easy to mount on flat cables

**Applications:**

- Interference problems on data lines of digital devices



Impedance (Ω) with 1 Turn @100MHz	Dimensions — mm					Digi-Key Part No.	Pricing			Würth Part No.
	A	B	C	D	E		1	25	100	
166	18.0	1.0	5.0	8.0	14.0	732-2395-ND	3.20	66.75	236.46	7427221
75	23.8	1.1	6.3	12.0	18.8	732-2396-ND	3.42	71.19	252.21	7427226
115	28.0	1.5	7.7	14.6	23.0	732-2397-ND	3.81	79.33	281.04	7427224
90	33.5	1.3	6.5	20.0	28.0	732-2398-ND	4.70	98.07	347.44	7427220
48	35.0	1.5	8.0	8.0	30.0	732-2399-ND	4.92	102.48	363.04	7427223
62	41.2	1.5	7.7	15	35.0	732-2400-ND	4.95	103.04	365.05	7427228
66	45.2	1.3	6.5	12.0	40.0	732-2401-ND	4.95	103.04	365.05	7427214
66	49.6	1.3	6.5	12.0	44.0	732-2402-ND	5.41	112.57	398.82	7427218
63	57.9	1.3	7.0	12.0	52.0	732-2403-ND	5.73	119.40	423.01	7427216



## Ferrite Suppressors

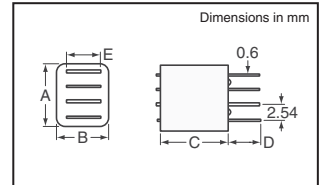


**Features:**

- Filter for common mode or differential mode
- High impedance common mode inductor with 2x2 windings made by PCB line connection
- High rated current with typical 4A
- Broadband filtering because of the NiZn-ferrite core
- RF-common mode indicator for 2, 3 or 4 lines in one component

**Applications:**

- Suitable for absorption of common or differential mode interferences in the field of EMC
- High-current DC output filters of power supplies, such as battery charges, industrial power supplies
- With one turn, performs like a 3 or 4 times common mode choke for the signal



Impedance (Ω) with 1 Turn @100MHz	Dimensions — mm					Digi-Key Part No.	Pricing			Würth Part No.
	A	B	C	D	E		1	25	100	
170	11.2	11.2	5.0	5.0	7.62	732-2405-ND	3.59	74.75	264.83	742730021
248	11.2	11.2	8.0	3.5	7.62	732-2406-ND	3.59	74.75	264.83	742730022
249	10.88	5.49	10.0	3.19	2.54	732-2407-ND	3.34	69.65	246.73	74273002
264	7.62	5.08	10.0	5.8	2.54	732-2408-ND	3.12	65.00	230.29	74273001
334	11.2	11.2	11.0	5.0	7.62	732-2409-ND	3.59	74.75	264.83	742730023

## WE-PBF Series — SMD EMI Suppression Ferrite Beads

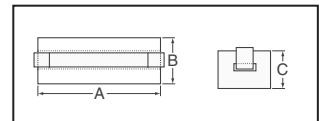


**Features:**

- Flat wire SMD ferrite with high current capacity
- Max. Current Rating: 6.0A

**Applications:**

- Voltage supply for high load current



Impedance (Ω) with 1 Turn @100MHz	RDC Max. (mΩ)	Dimensions — mm			Digi-Key Part No.	Cut Tape Pricing			Tape and Reel Pricing† 500	Würth Part No.
		A	B	C		1	25	100		
42	0.6	4.0	3.0	2.55	732-2376-1-ND	1.19	24.70	83.97	246.98	7427930
91	0.9	8.5	3.0	2.55	732-2393-1-ND	1.19	24.70	83.97	246.98	7427931
98	0.9	7.8	4.75	3.0	732-2394-1-ND	1.19	24.70	83.97	246.98	7427932

† 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.

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