

WURTH ELECTRONICS Ferrite EMI Cores and Ferrite Beads



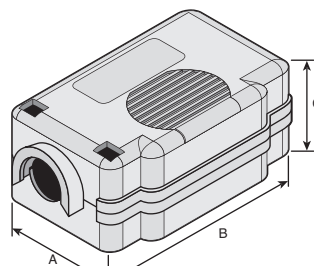
STAR-GAP W/DEFINED AIR GAP

Features:

- Worldwide first split case ferrite with „defined air-gap“ (patent pending)
- Especially helpful for EMI problems in frequency range of 100MHz up to 2.5GHz
- Data signals up to 100MHz will not be effected
- Best performance (impedance) especially with 2 windings (2 cable through)
- Low magnetic saturation of the material because of high DC current apply and therefore only low reduction of impedance because of DC current
- Pre fixing and cable protection system makes it easier to assemble and save time
- UL 94 V-0 plastic material for the case working temperature: -25°C to 105°C
- Not possible to remove from the cable without the WE key
- Non visible locking in closed conditions

Applications:

- High speed data lines, especially LAN network CAT 5 and higher
- Less interference to your electronic by wireless mobile phone radiations, bluetooth and wireless LAN
- Reduce disturbance by USB 2.0 and other fast digital signals
- Minimize the interference by fast circuits and switching power supply suppression of the harmonic waves and no damping for the signal below 100MHz
- Better performance for high DC current applications with interference problems like power supply, motor & drives and more



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Z@25MHz (Ω)		Z@100MHz (Ω)		Z@200MHz (Ω)		Z@300MHz (Ω)		Z@500MHz (Ω)		Cable Dia. (mm)	Dimensions: mm			Price Each		
		1 win	2 win	1 win	2 win	1 win	2 win	1 win	2 win	1 win	2 win		A	B	C	1	25	100
710-74271633S	74271633S	28	90	100	400	190	900	250	1750	345	1100	4.5-8.0	21.7	35.1	19	4.67	4.31	4.05
710-74271622S	74271622S	35	135	140	640	200	1400	300	1900	400	830	8.5-12.5	31.5	35	28.3	7.90	7.62	7.34
710-74271	74271	Safety Key, Black													.48	.37	.267	

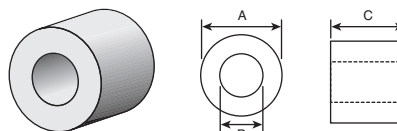
EMI SUPPRESSION TOROIDAL FERRITE BEADS

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
- E.g. of power supplies, data and gage signal lines



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MOUSER STOCK NO.	Würth Electronics Part No.	Impedance (Ω) 25MHz (1 turn)	Impedance (Ω) 25MHz (2 turns)	Impedance (Ω) 100MHz (1 turn)	Impedance (Ω) 100MHz (2 turns)	Max. Cable Dia. (mm)	Material	Dimensions: mm			Price Each		
								A	B	C	1	25	100
710-74270111	74270111	30	123	50	151	3	4 W 620	7.3	3.3	4.3	.39	.207	.18
710-742701712	742701712	44	134	75	203	4.5	7 W 700	9.0	5.0	8.0	.71	.619	.619
710-74270121	74270121	76	195	123	370	4.6	4 W 620	19	11.5	8.0	2.05	1.84	1.17
710-74270113	74270113	68	256	126	405	4.6	4 W 620	11.5	5.0	9.0	.97	.788	.679
710-74270161	74270161	25	115	37	136	4.7	3 W 800	10.0	5.0	3.7	.72	.643	.40
710-74270176	74270176	38	105	60	170	4.7	7 W 850	10.0	5.0	5.0	.84	.764	.764
710-742701707	742701707	40	191	100	305	9.5	7 W 850	20.0	10.0	10.0	1.54	1.22	1.07
710-74270117	74270117	41	215	161	343	9.6	3 W 800	14.0	10.0	8.0	.78	.752	.619
710-74270182	74270182	55	200	65	265	10	4 W 1500	18.6	10.2	10.0	1.93	1.74	1.10
710-74270181	74270181	59	237	83	307	10.3	4 W 1500	17.5	10.7	12.7	1.08	.97	.97
710-74270110	74270110	47	131	70	195	11.5	4 W 1500	16.0	12.0	16.0	1.69	1.57	1.53
710-7427012	7427012	76	342	148	471	11.8	4 W 620	23.5	12.6	14.0	1.07	1.02	.964
710-74270118	74270118	30	100	70	170	12.3	3 W 800	21.2	12.7	6.0	1.35	1.20	.873
710-74270119	74270119	45	187	133	398	13.3	3 W 800	22.5	13.8	6.4	1.35	1.20	.873
710-7427013	7427013	72	295	159	428	15.5	3 W 800	28.0	16.0	13.0	2.37	1.88	1.65
710-742701110	742701110	45	205	152	330	17.5	3 W 800	16.0	12.0	16.0	1.99	1.84	1.17
710-742701111	742701111	55	208	155	335	18.5	3 W 800	29.5	19.0	7.7	1.93	1.74	1.10
710-74270104	74270104	35	133	67	251	18.5	4 W 620	31.7	19.0	8.0	1.44	1.25	1.25
710-74270115	74270115	80	221	167	350	18.5	3 W 800	31.5	19.0	16.0	4.08	3.68	2.33
710-74270151	74270151	56	207	101	416	20.4	4 W 620	34.6	20.8	12.7	3.88	3.60	2.91
710-742701112	742701112	39	165	127	350	24.8	3 W 800	35.6	25.4	7.5	3.37	3.04	2.54
710-7427015	7427015	54	217	108	399	26.9	4 W 620	40.6	27.4	15.0	3.86	3.47	2.20

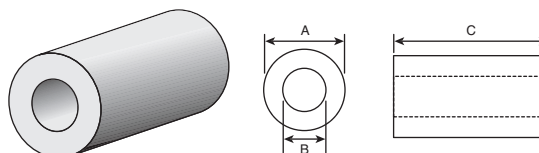
EMI SUPPRESSION AXIAL FERRITE BEADS

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
- E.g. of power supplies, data and gage signal lines



For quantities greater than listed, call for quote.

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								A	B	C	1	25	100
710-74270033	74270033	56	243	162	501	4.4	3 W 800	9.50	4.75	9.50	.60	.511	.468
710-74270030	74270030	125	128	158	418	4.6	3 W 800	11.50	5.00	18.50	.71	.631	.631
710-74270031	74270031	163	608	198	625	4.6	4 W 1500	11.50	5.00	20.50	.60	.534	.511
710-74270032	74270032	170	703	255	1001	4.6	4 W 620	11.50	5.00	25.00	.64	.581	.567
710-74270060	74270060	120	518	192	714	5.9	4 W 620	14.10	6.30	18.00	1.08	1.04	.979
710-7427004	7427004	180	767	158	709	5.9	4 W 620	14.10	6.30	28.60	1.12	1.04	.95
710-74270077	74270077	154	402	278	510	6	7 W 380	14.20	6.35	28.50	1.31	1.20	1.12
710-74270061	74270061	85	331	120	430	6	4 W 1500	9.90	6.35	19.50	.79	.752	.708
710-74270035	74270035	173	567	275	731	6.5	4 W 620	15.50	6.90	20.00	2.05	1.90	1.85
710-74270045	74270045	133	535	211	845	7	4 W 620	14.20	7.20	25.00	.97	.935	.879
710-74270034	74270034	85	326	160	454	6.9	3 W 800	12.10	7.30	15.50	1.24	1.13	.704
710-74270044	74270044	300	774	451	805	7.5	4 W 620	15.85	7.93	50.80	6.74	6.08	2.89
710-74270053	74270053	195	354	258	568	7.6	3 W 800	16.00	8.00	28.50	1.40	1.33	1.24
710-742700781	742700781	120	420	200	600	8	7 W 700	14.20	8.20	28.50	1.96	1.54	1.35
710-7427006	7427006	46	170	70	232	8.1	4 W 620	12.00	8.50	15.00	1.17	1.10	.982
710-74270054	74270054	83	339	143	577	8.6	4 W 620	16.00	9.00	17.00	1.11	1.04	.979
710-7427005	7427005	133	544	217	705	8.6	4 W 620	16.00	9.00	28.00	1.65	1.40	1.21
710-74270091	74270091	71	252	170	386	9.1	3 W 800	17.50	9.50	12.70	1.84	1.65	.786
710-74270055	74270055	133	453	225	554	9.8	4 W 620	18.60	10.20	28.50	2.64	2.45	1.65
710-74270093	74270093	90	387	150	648	10	4 W 620	17.50	10.70	25.00	2.22	2.05	1.65
710-74270057	74270057	202	843	338	808	11	4 W 620	19.00	11.50	50.80	5.45	5.13	5.13
710-74270095	74270095	115	459	153	577	17.5	4 W 1500	28.00	18.00	28.50	3.84	3.48	3.29
710-74270096	74270096	116	320	192	519	15	4 W 620	26.00	15.50	28.50	4.87	4.50	3.85
710-74270097	74270097	64	323	133	680	33.4	4 W 620	61.00	35.50	12.70	10.47	9.76	9.45