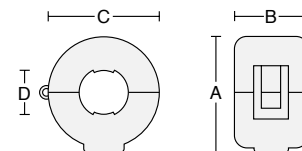


cable snap

Ferrite assembly in fully enclosed nylon case; functional with wires and cables up to a 2.0" (50,8mm) diameter. Snap closed around wire by clasping shut to position assembly.

May also be mounted with a flat-head screw through the .120" (3,0mm) diameter hole in the bottom by temporarily removing lower ferrite half.



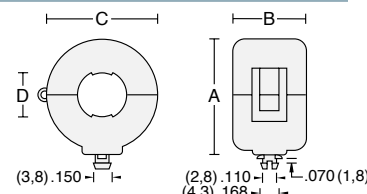
PART No.	A		B		C		D		IMPEDANCE IN OHMS
CS28B1642	.852	21,6	.885	22,5	.840	21,3	.282	7,2	100 @ 100MHz
CS28B1805	1.040	26,4	.667	16,9	1.025	26,4	.340	8,6	73 @ 100MHz
CS28B1937	1.182	30,0	.780	19,8	1.188	30,2	.425	10,8	117 @ 100MHz
CS28B1984	1.218	30,9	.705	17,9	1.220	31,0	.525	13,3	62 @ 100MHz
CS28B1501	1.725	43,8	1.232	31,3	1.720	43,7	.710	18,0	177 @ 100MHz
CS28B1500	1.725	43,8	1.232	31,3	1.720	43,7	.960	24,4	133 @ 100MHz
CS28B2000	2.350	59,7	1.851	47,0	2.309	58,6	.960	24,4	380 @ 100MHz
CS28B4000	4.500	114,2	1.851	47,0	4.687	119,0	1.960	49,8	290 @ 100MHz

See page 31 for more details

See page 31 for more details

cable snap

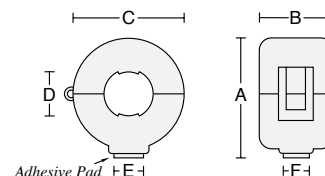
WITH PRESS-FIT BUTTON MOUNT BASE. Ferrite assembly in fully enclosed nylon case; functional with wires and cables up to a 1.0" (25,4mm) diameter. Includes a button mount base which press-fits into a .150" (3,8mm) diameter hole.



PART No.	A		B		C		D		IMPEDANCE IN OHMS
CF28B1642	.852	21,6	.885	22,5	.840	21,3	.282	7,2	100 @ 100MHz
CF28B1805	1.040	26,4	.667	16,9	1.025	26,4	.340	8,6	73 @ 100MHz
CF28B1937	1.182	30,0	.780	19,8	1.188	30,2	.425	10,8	117 @ 100MHz
CF28B1984	1.218	30,9	.705	17,9	1.220	31,0	.525	13,3	62 @ 100MHz
CF28B1501	1.725	43,8	1.232	31,3	1.720	43,7	.710	18,0	177 @ 100MHz
CF28B1500	1.725	43,8	1.232	31,3	1.720	43,7	.960	24,4	133 @ 100MHz
CF28B2000	2.350	59,7	1.851	47,0	2.309	58,6	.960	24,4	380 @ 100MHz

cable snap

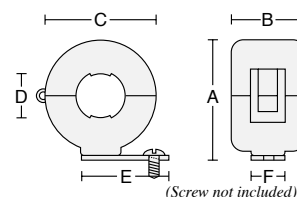
WITH ADHESIVE MOUNT BASE. Ferrite assembly in fully enclosed nylon case; various sizes are functional with wires and cables up to a 1.0" (25,4mm) diameter. After closing around wire and clasping shut, assembly is ready for mounting. Installs by removing protective paper strip from base and pressing into place.



PART No.	A		B		C		D		E		F		IMPEDANCE IN OHMS
CA28B1642	.882	22,4	.885	22,5	.840	21,3	.282	7,2	.375	9,5	.375	9,5	100 @ 100MHz
CA28B1805	1.070	27,2	.667	16,9	1.025	26,4	.340	8,6	.375	9,5	.375	9,5	73 @ 100MHz
CA28B1937	1.212	30,8	.780	19,8	1.188	30,2	.425	10,8	.375	9,5	.375	9,5	117 @ 100MHz
CA28B1984	1.248	31,7	.705	17,9	1.220	31,0	.525	13,3	.375	9,5	.375	9,5	62 @ 100MHz
CA28B1501	1.755	44,6	1.232	31,3	1.720	43,7	.710	18,0	.875	22,2	.875	22,2	177 @ 100MHz
CA28B1500	1.755	44,6	1.232	31,3	1.720	43,7	.960	24,4	.875	22,2	.875	22,2	133 @ 100MHz
CA28B2000	2.380	60,5	1.851	47,0	2.309	58,6	.960	24,4	1.000	25,4	1.500	38,1	380 @ 100MHz

cable snap

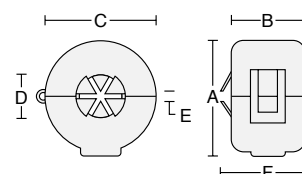
WITH SCREW MOUNT BASE. Ferrite assembly in fully enclosed nylon case; various sizes are functional with wires and cables up to a 1.0" (25,4mm) diameter. Mounting base press-fits into receptacle on bottom. Installs at the intended location with a screw through the .125" (3,2 mm) diameter hole provided. The base may be positioned at 90° increments relative to the upper case to provide four alternative assembly configurations.



PART No.	A		B		C		D		E		F		IMPEDANCE IN OHMS
CW28B1642	.916	23,3	.885	22,5	.840	21,3	.282	7,2	1.250	31,8	.375	9,5	100 @ 100MHz
CW28B1805	1.105	28,1	.667	16,9	1.025	26,4	.340	8,6	1.250	31,8	.375	9,5	73 @ 100MHz
CW28B1937	1.236	31,4	.780	19,8	1.188	30,2	.425	10,8	1.250	31,8	.375	9,5	117 @ 100MHz
CW28B1984	1.282	32,6	.705	17,9	1.220	31,0	.525	13,3	1.250	31,8	.375	9,5	62 @ 100MHz
CW28B1501	1.789	45,5	1.232	31,3	1.720	43,7	.710	18,0	1.250	31,8	.375	9,5	177 @ 100MHz
CW28B1500	1.789	45,5	1.232	31,3	1.720	43,7	.960	24,4	1.250	31,8	.375	9,5	133 @ 100MHz
CW28B2000	2.414	61,3	1.851	47,0	2.309	58,6	.960	24,4	1.250	31,8	.375	9,5	380 @ 100MHz

cable snap

WITH VARIABLE DIAMETER END PORTS. Ferrite assembly in fully enclosed nylon case; various sizes are functional with wires and cables up to a .500 (12,7 mm) diameter. End ports are surrounded with flexible spring flutes to grip a range of cable diameters from .120" to .500" (3,2 to 12,7 mm). The grip-locking action prevents lateral movement along the cable or wire bundle.

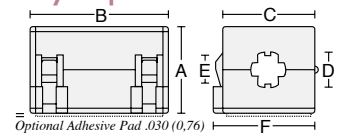


Patent No. 5,003,278

PART No.	A		B		C		D		E		F (ref.)		IMPEDANCE IN OHMS
CV28B1642	.852	21,6	.885	22,5	.840	21,3	.282	7,2	.120	3,0	1.020	25,9	100 @ 100MHz
CV28B1805	1.040	26,4	.667	16,9	1.025	26,4	.340	8,6	.120	3,0	.820	20,8	73 @ 100MHz
CV28B1937	1.182	30,0	.780	19,8	1.188	30,2	.375	9,5	.120	3,0	.950	24,1	117 @ 100MHz
CV28B1984	1.218	30,9	.705	17,9	1.220	31,0	.500	12,7	.120	3,0	.940	23,9	62 @ 100MHz

sleeve snap for round cables

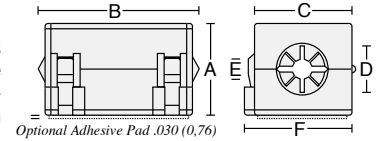
Three common sizes in three frequency-specific formulations. Box-shaped assembly snaps over cables up to .400" (10,1mm) diameter. Optional foam adhesive mounting pad on bottom.



PART No.	w/adhesive	A	B	C	D	E	F	Target Frequency/Range	Impedance in Ohms
SS28B2030	AS28B2030	.790 20,1	1.265 32,1	.770 19,6	.270 6,9	.220 5,6	.885 22,5	13.56MHz	200 @ 100MHz
SS28B2033	AS28B2033	.790 20,1	1.265 32,1	.770 19,6	.350 8,8	.290 7,4	.885 22,5	13.56MHz	200 @ 100MHz
SS28B2041	AS28B2041	.965 24,5	1.285 32,6	.930 23,6	.450 11,4	.380 9,7	1.035 26,3	13.50MHz	238 @ 100MHz
SS25B2030	AS25B2030	.790 20,1	1.265 32,1	.770 19,6	.270 6,9	.220 5,6	.885 22,5	433.92MHz & 860-930MHz	340 @ 700MHz
SS25B2033	AS25B2033	.790 20,1	1.265 32,1	.770 19,6	.350 8,8	.290 7,4	.885 22,5	433.92MHz & 860-930MHz	290 @ 700MHz
SS20B2030	AS20B2030	.790 20,1	1.265 32,1	.770 19,6	.270 6,9	.220 5,6	.885 22,5	2.45GHz	per application
SS20B2033	AS20B2033	.790 20,1	1.265 32,1	.770 19,6	.350 8,8	.290 7,4	.885 22,5	2.45GHz	per application
SS20B2041	AS20B2041	.965 24,5	1.285 32,6	.930 23,6	.450 11,4	.380 9,7	1.035 26,3	2.45GHz	per application

sleeve snap for round cables

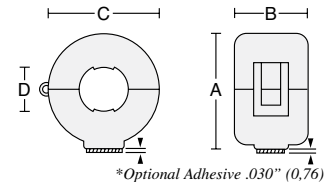
WITH VARIABLE DIAMETER END PORTS. Four sizes fit cable diameters from .125" to .500" (3,2 to 12,7mm); end ports are surrounded by flexible spring flutes to grip a range of diameters. Three choices of frequency-specific material formulations. Optional foam adhesive mounting pad on bottom.



PART No.	w/adhesive	A	B(ref.)	C	D	E	F	Target Frequency/Range	Impedance in Ohms
SS28B2034	AS28B2034	.585 14,9	1.250 31,8	.585 14,9	.250 6,4	.120 3,0	.680 17,3	13.56MHz	220 @ 100MHz
SS28B2037	AS28B2037	.790 20,1	1.450 36,8	.770 19,6	.350 8,8	.200 5,1	.885 22,5	13.56MHz	200 @ 100MHz
SS28B2042	AS28B2042	.965 24,5	1.480 37,6	.930 23,6	.425 10,8	.170 4,3	1.035 26,3	13.56MHz	238 @ 100MHz
SS28B2032	AS28B2032	1.155 29,3	1.450 36,8	1.125 28,6	.500 12,7	.200 5,1	1.230 31,2	13.56MHz	238 @ 100MHz
SS25B2037	AS25B2037	.790 20,1	1.450 36,8	.770 19,6	.350 8,8	.200 5,1	.885 22,5	433.92MHz & 860-930MHz	390 @ 700MHz
SS25B2032	AS25B2032	1.155 29,3	1.450 36,8	1.125 28,6	.500 12,7	.200 5,1	1.230 31,2	433.92MHz & 860-930MHz	510 @ 700MHz
SS20B2034	AS20B2034	.585 14,9	1.250 31,8	.585 14,9	.250 6,4	.120 3,0	.680 17,3	2.45GHz	per application
SS20B2037	AS20B2037	.790 20,1	1.450 36,8	.770 19,6	.350 8,8	.200 5,1	.885 22,5	2.45GHz	per application
SS20B2042	AS20B2042	.965 24,5	1.480 37,6	.930 23,6	.425 10,8	.170 4,3	1.035 26,3	2.45GHz	per application

cable snap for round cables

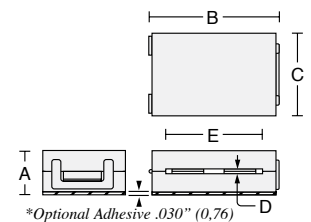
Ferrite assembly in fully enclosed nylon case; functional with cables and bundles up to a 2.0" (50,8mm) diameter. Three choices of frequency-specific material formulations. Optional foam adhesive mounting pad on bottom.



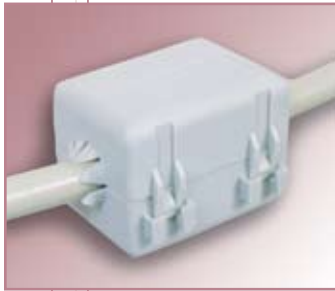
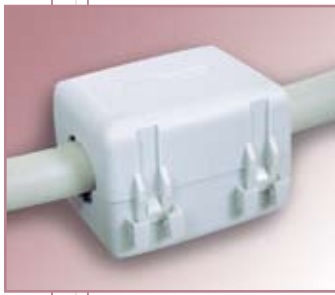
PART No.	w/adhesive	A	B	C	D	Target Frequency/Range	Impedance in Ohms
CS28B1642	CA28B1642	.852 21,6	.885 22,5	.840 21,3	.282 7,2	13.56MHz	100 @ 100MHz
CS28B1805	CA28B1805	1.040 26,4	.667 16,9	1.025 26,4	.340 8,6	13.56MHz	73 @ 100MHz
CS28B1937	CA28B1937	1.182 30,0	.780 19,6	1.188 30,2	.425 10,8	13.56MHz	117 @ 100MHz
CS28B1984	CA28B1984	1.218 30,9	.705 17,9	1.220 31,0	.525 13,3	13.56MHz	62 @ 100MHz
CS28B1501	CA28B1501	1.725 43,8	1.232 31,3	1.720 43,7	.710 18,0	13.56MHz	177 @ 100MHz
CS28B1500	CA28B1500	1.725 43,8	1.232 31,3	1.720 43,7	.960 24,4	13.56MHz	133 @ 100MHz
CS28B2000	CA28B2000	2.350 59,7	1.851 47,0	2.309 58,6	.960 24,4	13.56MHz	380 @ 100MHz
CS28B4000	CA28B4000	4.500 114,2	1.851 47,0	4.687 119,0	1.960 49,8	13.56MHz	290 @ 100MHz
CS25B1642	CA25B1642	.852 21,6	.885 22,5	.840 21,3	.282 7,2	433.92MHz & 860-930MHz	290 @ 700MHz
CS25B1937	CA25B1937	1.182 30,0	.780 19,6	1.188 30,2	.425 10,8	433.92MHz & 860-930MHz	305 @ 700MHz
CS25B1500	CA25B1500	1.725 43,8	1.232 31,3	1.720 43,7	.960 24,4	433.92MHz & 860-930MHz	570 @ 700MHz
CS25B2000	CA25B2000	2.350 59,7	1.851 47,0	2.309 58,6	.960 24,4	433.92MHz & 860-930MHz	890 @ 700MHz
CS25B4000	CA25B4000	4.500 114,2	1.851 47,0	4.687 119,0	1.960 49,8	433.92MHz & 860-930MHz	590 @ 700MHz
CS20B1500	CA20B1500	1.725 43,8	1.232 31,3	1.720 43,7	.960 24,4	2.45GHz	per application
CS20B2000	CA20B2000	2.350 59,7	1.851 47,0	2.309 58,6	.960 24,4	2.45GHz	per application
CS20B4000	CA20B4000	4.500 114,2	1.851 47,0	4.687 119,0	1.960 49,8	2.45GHz	per application

flat cable clamp for flat cables

WITH OPTIONAL ADHESIVE MOUNTING. Ferrite assembly clamps over flat cables up to 64-conductor widths 3.24" (82,3mm). Optional adhesive pad mounts on bottom; or, may be mounted with flat-head screws through the .120" (3,0mm) diameter holes on 1.25" (31,8mm) centers in the bottom by temporarily removing the lower ferrite half.



PART No.	w/adhesive	A	B	C	D	E	Target Frequency/Range	Impedance in Ohms
RC28B1729	RA28B1729	.670 17,0	2.030 51,6	1.312 33,3	.060 1,5	1.355 34,4	13.56MHz	200 @ 100MHz
RC28B2480	RA28B2480	.670 17,0	2.760 70,1	1.312 33,3	.060 1,5	2.047 52,0	13.56MHz	250 @ 100MHz
RC28B3012	RA28B3012	.670 17,0	3.260 82,8	1.312 33,3	.060 1,5	2.540 64,5	13.56MHz	286 @ 100MHz
RC28B4340	RA28B4340	.755 19,2	4.610 117,1	1.312 33,3	.104 2,6	3.240 82,3	13.56MHz	325 @ 100MHz
RC25B2480	RA25B2480	.700 17,8	2.760 70,1	1.312 33,3	.060 1,5	2.047 52,0	433.92MHz & 860-930MHz	390 @ 700MHz
RC25B4340	RA25B4340	.785 19,9	4.610 117,1	1.312 33,3	.104 2,6	3.240 82,3	433.92MHz & 860-930MHz	510 @ 700MHz
RC20B1729	RA20B1729	.700 17,8	2.030 51,6	1.312 33,3	.060 1,5	1.355 34,4	2.45GHz	per application
RC20B2480	RA20B2480	.700 17,8	2.760 70,1	1.312 33,3	.060 1,5	2.047 52,0	2.45GHz	per application





suppression prototyping

Your lab is not complete without a selection of ferrite RFI-EMI suppressors on hand. Helpful during engineering evaluations, prototyping, emergencies, and eventually for final product compliance testing and documentation.

The engineering kits shown on page 30 contain a wide assortment of sizes, configurations and suppression levels for any insertion loss requirements.

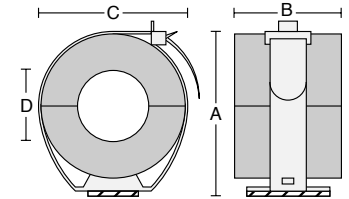
The test fixtures shown below are indispensable problem-solving aids, useful in any laboratory.

When extra samples are required for your project, just a phone call to our customer service department will have them immediately on the way to you.



empirical test fixtures – WITH QUICK-RELEASE STRAP

A handy R&D/test device for determining if a ferrite suppressor is feasible in a given situation. With this massive amount of insertion loss material applied to a circuit, a rough estimate of attenuation effect can be previewed. Afterwards, a properly configured ferrite assembly can be determined. Install on any cable data signal circuit by reassembling ferrite halves within the plastic strap. Even flat ribbon cables pass through the large opening. Available in our four standard material formulas.

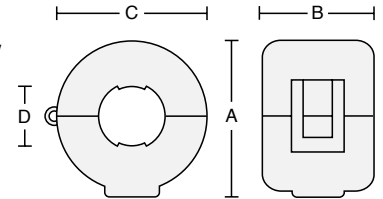


PART No.	A		B		C		D		MATERIAL	IMPEDANCE IN OHMS
ET28B2000	2.53	64,3	1.50	38,1	2.00	50,8	1.00	25,4	#28 formulation	380 @ 100MHz
ET33B2000	2.53	64,3	1.50	38,1	2.00	50,8	1.00	25,4	#33 formulation	210 @ 30MHz
ET25B2000	2.53	64,3	1.50	38,1	2.00	50,8	1.00	25,4	#25 formulation	890 @ 700MHz
ET20B2000	2.53	64,3	1.50	38,1	2.00	50,8	1.00	25,4	#20 formulation	per application



empirical test fixtures – IN FULLY ENCLOSED PLASTIC CASE

Another variation of the test fixture shown above – the same ferrite core encased in a heavy-duty hinged nylon plastic enclosure. A handy R&D/test device for determining if a ferrite suppressor is feasible in a given situation. With this massive amount of insertion loss material applied to a circuit, a rough estimate of attenuation effect can be previewed. Afterwards, a properly configured ferrite assembly can be determined. Install on any cable data signal circuit by clamping around the cable. Even flat ribbon cables pass through the large opening. Available in our four standard material formulas.



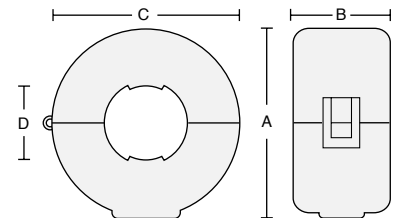
PART No.	A		B		C		D		MATERIAL	IMPEDANCE IN OHMS
CS28B2000	2.350	59,7	1.851	47,0	2.309	58,6	.960	24,4	#28 formulation	380 @ 100MHz
CS33B2000	2.350	59,7	1.851	47,0	2.309	58,6	.960	24,4	#33 formulation	210 @ 30MHz
CS25B2000	2.350	59,7	1.851	47,0	2.309	58,6	.960	24,4	#25 formulation	890 @ 700MHz
CS20B2000	2.350	59,7	1.851	47,0	2.309	58,6	.960	24,4	#20 formulation	per application



special purpose large toroid clamp

IN FULLY ENCLOSED PLASTIC CASE WITH 2.0" (50,8mm) I.D.

Similar to other "CS" Empirical Test Fixtures above, except with a 4.0" 101,6mm O.D. and a 2.0" 50,8mm I.D. ferrite core. Available in four standard material formulas.

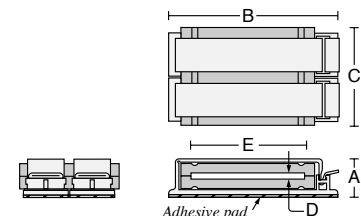


PART No.	A		B		C		D		MATERIAL	IMPEDANCE IN OHMS
CS28B4000	4.500	114,2	1.851	47,0	4.687	119,0	1.960	49,8	#28 formulation	290 @ 100MHz
CS33B4000	4.500	114,2	1.851	47,0	4.687	119,0	1.960	49,8	#33 formulation	140 @ 30MHz
CS25B4000	4.500	114,2	1.851	47,0	4.687	119,0	1.960	49,8	#25 formulation	590 @ 700MHz
CS20B4000	4.500	114,2	1.851	47,0	4.687	119,0	1.960	49,8	#20 formulation	per application



empirical test fixture – FOR FLAT CABLES AND FLEX-CIRCUITS

A high impedance R&D/test device for determining if a ferrite suppressor is feasible in a given situation. Specifically for flat cables and flex-circuits, with this massive amount of insertion loss material applied to a circuit the attenuation effect of the wideband ferrite core material can be previewed. Afterwards, a properly configured ferrite assembly can be determined. Installs on any cable data signal circuit up to 50-conductors by engaging the double clamps; quick-release design opens easily. Adhesive foam pads on bottom allow permanent mounting if desired. Available in our standard #28 wideband formula for frequencies from 10 MHz to 1 GHz.



PART No.	A		B		C		D		E	IMPEDANCE IN OHMS
ET28B3000	.800	20,3	3.700	94,0	1.500	38,1	.060	1,5	2.540 64,5	370 @ 100MHz