

CF Product Series Update, Cylindrical EMI Suppression Ferrites

Description of Changes: Delevan announces a series update in product offerings for the CF series, cylindrical EMI suppression ferrites

Delevan Product Series: CF

Effectivity Date: 10/3/2024

Product Classification: Cylindrical EMI Suppression Ferrites

Update 1: Part Number Scheme Update

Delevan will be converting and migrating the following series and part numbering schemes.

AGED SERIES		NEW SERIES
CF1		CFHF
CF2		CFLF
AGED PART NUMBER	PRODUCT DESCRIPTION	NEW PART NUMBER
CF1-9.5*4.8*20	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 171 Ohms @ 100MHz	CFHF-95-48-200
CF1-10.5*5.5*20	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 161 Ohms @ 100MHz	CFHF-105-55-200
CF2-10.5*5.5*20	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 134 Ohms @ 100MHz	CFLF-105-55-200
CF2-12*7.3*15	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 89 Ohms @ 100MHz	CFLF-120-73-150
CF1-14.2*6.35*28.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 280 Ohms @ 100MHz	CFHF-142-64-285
CF1-16*9*17	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 130 Ohms @ 100MHz	CFHF-160-90-170
CF2-17.5*9.5*28.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 172 Ohms @ 100MHz	CFLF-175-95-285
CF1-26*13*28.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 235 Ohms @ 100MHz	CFHF-260-130-285
CF1-36*23*15	Mounted on Cable, Cylindrical EMI Suppression Ferrite, Ohms 113 @ 100MHz	CFHF-360-230-150

For further support please see Delevan's "How To Order" below addressing each values significance.

How To Order:				(A) Suppressor Series: CFHF
CFHF	360	230	150	(B) Outer Diameter: 9.50±0.3 mm (0.374±0.011 inches) to 36.0±0.8 mm (1.417±0.031 inches)
(A)	(B)	(C)	(D)	(C) Inner Diameter: 4.80±0.2 mm (0.188±0.007 inches) to 23.0±0.6 mm (0.905±0.023 inches)
				(D) Length: 8.00±0.4 mm (0.314±0.012 inches) to 15.0±0.5 mm (0.590±0.019 inches)

Update 2: Product Obsolescence / End of Life.

Due to a number of market changes, including customer needs, product demand and material availability. Delevan has made the decision to end of life a selection of CF series product offerings.

Last Time Buy: The following obsolete products are unavailable for last time buy.

OBSOLETE PART NUMBER	PRODUCT DESCRIPTION	ALTERNATE PART NUMBER
CF2-9.5*4.8*20	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 142 Ohms @ 100MHz	N/A
CF1-12*7.3*15	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 107 Ohms @ 100MHz	N/A
CF2-14.2*6.35*28.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 230 Ohms @ 100MHz	N/A
CF2-16*9*17	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 109 Ohms @ 100MHz	N/A
CF1-17.5*9.5*28.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 217 Ohms @ 100MHz	N/A
CF1-21*13.2*21	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 136 Ohms @ 100MHz	N/A
CF2-21*13.2*21	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 115 Ohms @ 100MHz	N/A
CF2-26*13*28.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 198 Ohms @ 100MHz	N/A
CF1-28*15.6*7.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 85 Ohms @ 100MHz	N/A
CF2-28*15.6*7.5	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 76 Ohms @ 100MHz	N/A
CF1-31*19*10	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 91 Ohms @ 100MHz	N/A
CF2-31*19*10	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 83 Ohms @ 100MHz	N/A
CF2-36*23*15	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 101 Ohms @ 100MHz	N/A

Update 3: New Product Introduction

Delevan is happy to announce the release of its new product series **CFHF & CFLF**. Increasing our list of EMI Suppression products to better support the market in its ever changing needs.

SERIES	NEW PART NUMBER	PRODUCT DESCRIPTION
CFHF	CFHF-105-55-150	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 80 Ohms @ 100 MHz
CFHF	CFHF-160-90-280	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 115 Ohms @ 100 MHz
CFHF	CFHF-200-100-100	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 65 Ohms @ 100 MHz
CFHF	CFHF-200-120-100	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 55 Ohms @ 100 MHz
CFHF	CFHF-250-150-80	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 55 Ohms @ 100 MHz
CFHF	CFHF-250-150-120	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 60 Ohms @ 100 MHz
CFHF	CFHF-310-190-80	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 35 Ohms @ 100 MHz
CFHF	CFHF-310-190-160	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 70 Ohms @ 100 MHz
CFLF	CFLF-140-90-150	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 55 Ohms @ 100 MHz
CFLF	CFLF-140-90-55	Mounted on Cable, Cylindrical EMI Suppression Ferrite, 42 Ohms @ 100 MHz

Please see the attached data sheets encompassing our migrated product and full a listing of our new product offerings!

Delevan Product Series: CF Series

Effectivity Date: 10/3/2024

Product Classification: Cylindrical EMI Suppression Ferrites

Replacement Series: CFHF & CFLF Series

Expected Effect on Quality/Reliability/Performance: N/A

Implementation Date: Immediately 10/3/2024.

Issued By: Delevan, Product Line Management

Contact Information:

Delevan

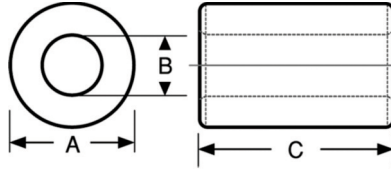
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High Frequency Cylindrical EMI Suppression Ferrites



Delevan's Cylindrical EMI Suppression ferrites provide a cost effective means to reducing common and differential mode EMI. These suppressor ferrites are offered with a HF and LF material, the HF material allows these suppressors to perform in high frequency applications while the LF material is utilized in low frequency applications.

Select a ferrite with an inner diameter (Dimension B) that closely matches the outer diameter of the wires that require filtering.

Features

- Wide range of sizes with inner diameters (Dimension B) from 0.188 inches (4.80 mm) to 0.905 inches (23.0 mm)
- Precision formed smooth surfaces prevent damage to wire insulation
- Available in CF1 and CF2 material.
- Custom designs available

Applications

- Internal and external computer data and power cables.

***Note – Impedance Testing** Impedance is typical, measured using HP4191A, based on ½ turn (4.0") 19 AWG wire.

How To Order:

CFHF **360** **230** **150**
(A) (B) (C) (D)

- (A) Suppressor Series: CFHF
- (B) Outer Diameter: 9.50±0.3 mm (0.374±0.011 inches) to 36.0±0.8 mm (1.417±0.031 inches)
- (C) Inner Diameter: 4.80±0.2 mm (0.188±0.007 inches) to 23.0±0.6 mm (0.905±0.023 inches)
- (D) Length: 8.00±0.4 mm (0.314±0.012 inches) to 15.0±0.5 mm (0.590±0.019 inches)

PART NUMBER	IMPEDANCE*		DIMENSION A		DIMENSION B		DIMENSION C	
	@ 25 MHz (Min.)	@ 100 MHz (Typ.)	INCHES	mm	INCHES	mm	INCHES	mm
CFHF-95-48-200	70	120	0.374±0.011	9.50±0.3	0.188±0.007	4.80±0.21	0.787±0.023	20.0±0.6
CFHF-105-55-150	50	80	0.413±0.015	10.5±0.4	0.216±0.007	5.50±0.2	0.590±0.019	15.0±0.5
CFHF-105-55-200	70	115	0.413±0.015	10.5±0.4	0.216±0.007	5.50±0.2	0.787±0.023	20.0±0.6
CFHF-142-64-285	100	165	0.559±0.019	14.2±0.5	0.250±0.011	6.35±0.3	1.122±0.031	28.5±0.8
CFHF-160-90-170	55	90	0.629±0.019	16.0±0.5	0.354±0.011	9.00±0.3	0.669±0.023	17.0±0.6
CFHF-160-90-280	60	115	0.629±0.019	16.0±0.5	0.354±0.011	9.00±0.3	1.102±0.031	28.0±0.6
CFHF-200-100-100	38	65	0.787±0.023	20.0±0.6	0.393±0.015	10.0±0.4	0.393±0.015	10.0±0.4
CFHF-200-120-100	28	55	0.787±0.023	20.0±0.6	0.472±0.015	12.0±0.4	0.393±0.015	10.0±0.4
CFHF-250-150-80	21	55	0.984±0.025	25.0±0.7	0.590±0.019	15.0±0.5	0.314±0.0129	8.00±0.4
CFHF-250-150-120	36	60	0.984±0.025	25.0±0.7	0.590±0.019	15.0±0.53	0.472±0.015	12.0±0.4
CFHF-260-130-285	100	170	1.023±0.027	26.0±0.7	0.512±0.019	13.0±0.5	1.122±0.031	28.5±0.8
CFHF-310-190-80	25	35	1.220±0.031	31.0±0.8	0.748±0.023	19.0±0.6	0.314±0.012	8.00±0.4
CFHF-310-190-160	42	70	1.220±0.031	31.0±0.8	0.748±0.023	19.0±0.6	0.629±0.019	16.0±0.5
CFHF-360-230-150	39	75	1.417±0.031	36.0±0.8	0.905±0.023	23.0±0.6	0.590±0.019	15.0±0.5

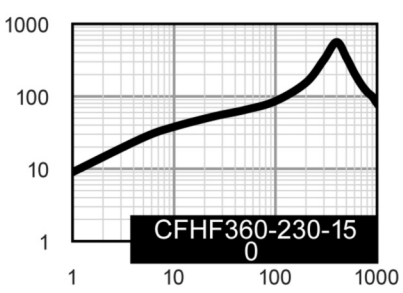
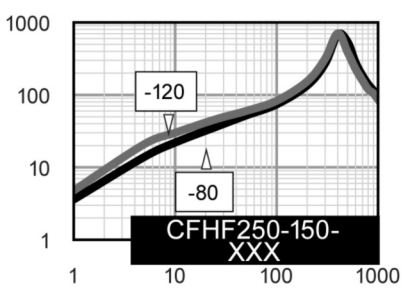
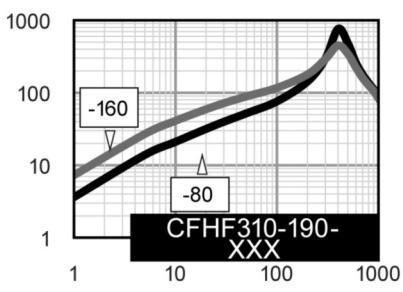
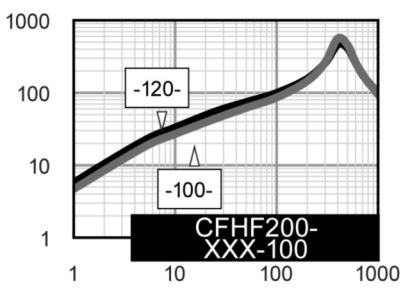
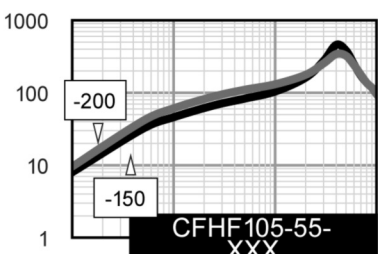
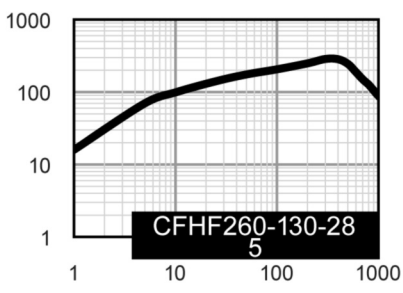
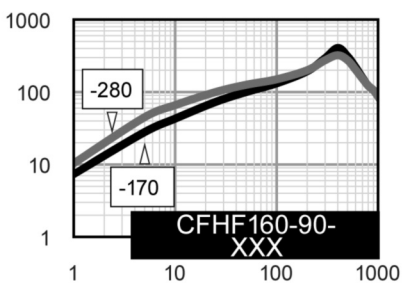
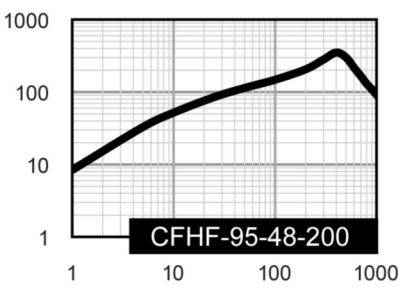


CFHF SERIES



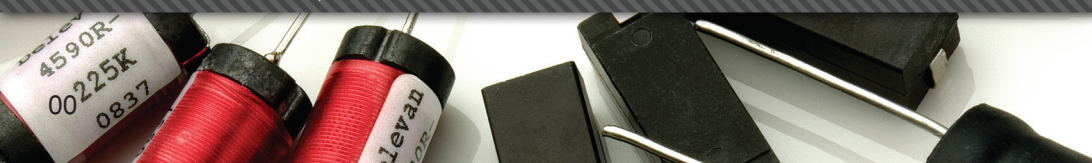
High Frequency Cylindrical EMI Suppression Ferrites

IMPEDANCE (Ω)



FREQUENCY (KHz)

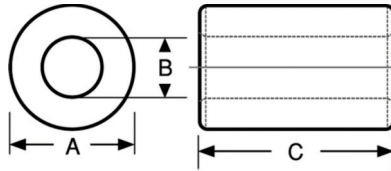
For more detailed graphs, contact Delevan



CFLF SERIES



Low Frequency Cylindrical EMI Suppression Ferrites



Delevan's Cylindrical EMI Suppression ferrites provide a cost effective means to reducing common and differential mode EMI. These suppressor ferrites are offered with a HF and LF material, the HF material allows these suppressors to perform in high frequency applications while the LF material is utilized in low frequency applications.

Select a ferrite with an inner diameter (Dimension B) that closely matches the outer diameter of the wires that require filtering.

Features

- Wide range of sizes with inner diameters (Dimension B) from 0.216 inches (5.50 mm) to 0.374 inches (9.50 mm)
- Precision formed smooth surfaces prevent damage to wire insulation
- Available in CF1 and CF2 material.
- Custom designs available

Applications

- Internal and external computer data and power cables.

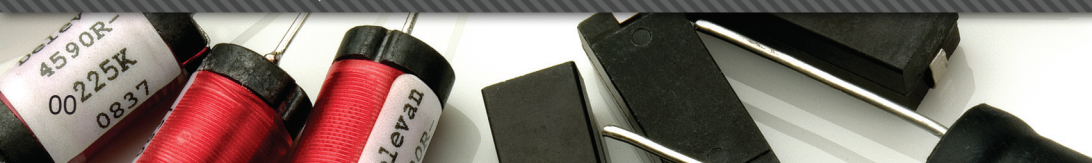
***Note – Impedance Testing** Impedance is typical, measured using HP4191A, based on ½ turn (4.0") 19 AWG wire.

How To Order:

CFLF 105 55 200
(A) (B) (C) (D)

- (A) Suppressor Series: CFLF
- (B) Outer Diameter: 10.5±0.4 mm (0.413±0.015 inches) to 17.5±0.6 mm (0.689±0.023 inches)
- (C) Inner Diameter: Inner Diameter: 5.50±0.2 mm (0.216±0.007 inches) to 9.50±0.4 mm (0.374±0.011 inches)
- (D) Length: 5.50±0.20 mm (0.216±0.007 inches) to 28.5±0.8 mm (1.122±0.031 inches)

PART NUMBER	IMPEDANCE*		DIMENSION A		DIMENSION B		DIMENSION C	
	@ 25 MHz (Min.)	@ 100 MHz (Typ.)	INCHES	mm	INCHES	mm	INCHES	mm
CFLF-105-55-200	70	90	0.413±0.015	10.5±0.4	0.216±0.007	5.50±0.2	0.787±0.023	20.0±0.6
CFLF-120-73-150	42	60	0.472±0.015	12.0±0.4	0.287±0.011	7.30±0.3	0.590±0.019	15.0±0.5
CFLF-140-90-150	35	55	0.551±0.019	14.0±0.5	0.354±0.011	9.00±0.3	0.590±0.019	15.0±0.5
CFLF-140-90-55	18	42	0.551±0.019	14.0±0.5	0.354±0.011	9.00±0.3	0.216±0.007	5.50±0.2
CFLF-175-95-285	95	120	0.689±0.023	17.5±0.6	0.374±0.011	9.50±0.4	1.122±0.031	28.5±0.8

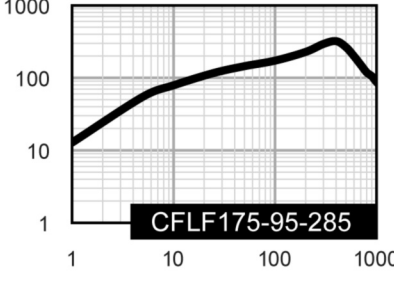
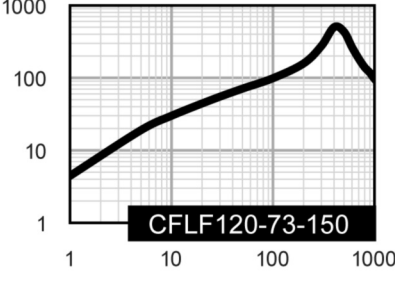
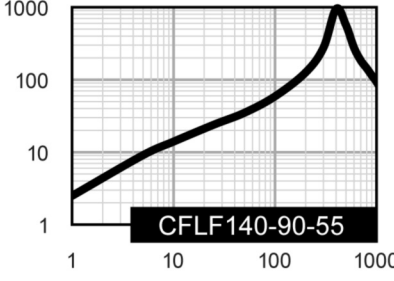
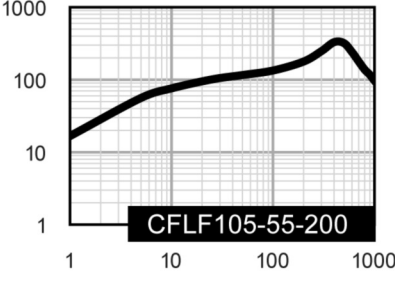
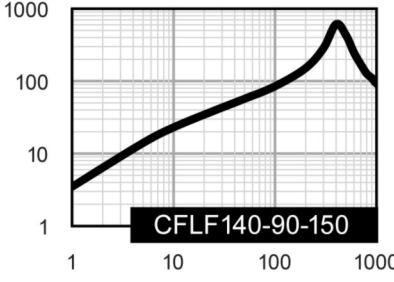


CFLF SERIES



Low Frequency Cylindrical EMI Suppression Ferrites

IMPEDANCE (Ω)



FREQUENCY (kHz)

For more detailed graphs, contact Delevan

