

# Common Mode SCF Coils, SCF Series, High Inductance Type

## Overview

The KEMET SCF coils are common mode chokes with a wide variety of characteristics. These toroidal coils are designed with nanocrystalline metal cores and are useful in various noise countermeasure fields.

## Applications

- Audio-visual equipment
- Home appliances
- Power supplies

## Benefits

- Nanocrystalline metal core
- Ultra-high inductance
- Ultra-high permeability
- Operating temperature range from  $-40^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$
- UL 94 V-0 flame retardant rated cap



## Part Number System

SCF	27	-10	-1300	
Series	Dimension Code (See Dimensions)	Rated Current (A)	Inductance (mH) Minimum	Core Orientation
SCF	Blank 20 25 27	0x = x A xx = xx A  Examples: 02 = 2 A 10 = 10 A	xx00 = xx mH xx0 = x.x mH  Examples: 1300 = 13 mH 650 = 6.5 mH	Blank = Vertical type H = Horizontal type

Алматы (7273)495-231  
 Ангарск (3955)60-70-56  
 Архангельск (8182)63-90-72  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Благовещенск (4162)22-76-07  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Владикавказ (8672)28-90-48  
 Владимир (4922)49-43-18  
 Волгоград (844)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89  
 Россия +7(495)268-04-70

Иваново (4932)77-34-06  
 Ижевск (3412)26-03-58  
 Иркутск (395)279-98-46  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Коломна (4966)23-41-49  
 Кострома (4942)77-07-48  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Курган (3522)50-90-47  
 Липецк (4742)52-20-81  
 Казахстан +7(7172)727-132

Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Ноябрьск (3496)41-32-12  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Орел (4862)44-53-42  
 Оренбург (3532)37-68-04  
 Пенза (8412)22-31-16  
 Петрозаводск (8142)55-98-37  
 Псков (8112)59-10-37  
 Пермь (342)205-81-47  
 Киргизия +996(312)96-26-47

Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Саранск (8342)22-96-24  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13  
 Сургут (3462)77-98-35  
 Сыктывкар (8212)25-95-17  
 Тамбов (4752)50-40-97  
 Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
 Томск (3822)98-41-53  
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 Тюмень (3452)66-21-18  
 Ульяновск (8422)24-23-59  
 Улан-Удэ (3012)59-97-51  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Чебоксары (8352)28-53-07  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Чита (3022)38-34-83  
 Якутск (4112)23-90-97  
 Ярославль (4852)69-52-93

## Magnetic Permeability of Ferrite Material

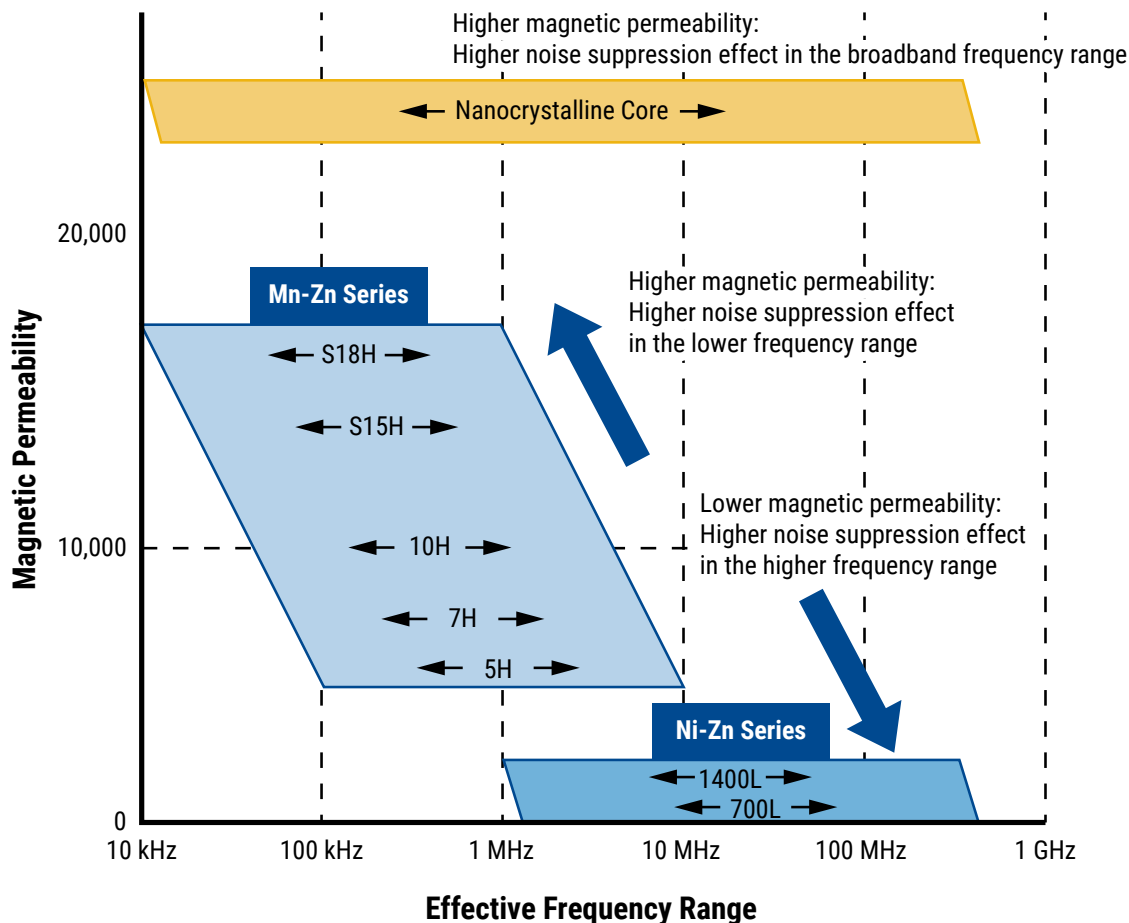
In order to achieve most efficient noise reduction, it is important to select the material according to the target frequency band. Depending on its magnetic permeability, a particular ferrite material or metal material will be effective in a certain frequency band. A schematic representation of the relationship between the magnetic permeability of each material and the corresponding effective band range is shown in Figure 1.

Ferrite materials with higher magnetic permeability are effective in the lower frequency range, while those with lower magnetic permeability are effective in the higher frequency range. Thus, Mn-Zn products are mainly used for reducing conduction noise, while Ni-Zn products are commonly used for radiation noise countermeasures. Metal materials, however, are effective throughout the broadband frequency range, in low as well as high frequencies.

The effective frequency range varies depending on core shape, size, and number of windings. This frequency dependence of the magnetic permeability as shown in the figure serves for reference purposes only. It should be tested on the actual device to determine its effectiveness.

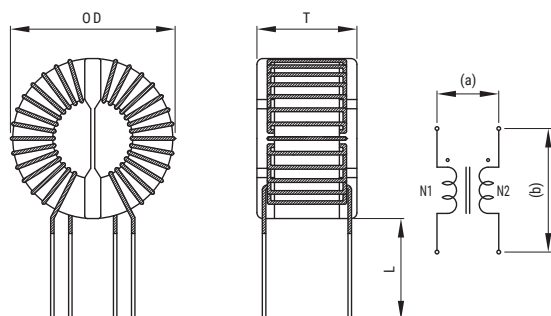
S18H, S15H, 10H, 7H, 5H, 1400L, and 700L are KEMET’s proprietary ferrite material names. Other materials are available upon request.

Figure 1 - Relationship between the magnetic permeability of each material and its effective frequency range

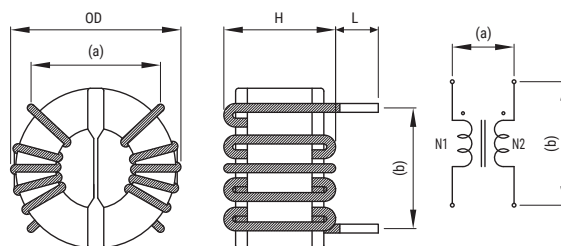


## Dimensions – Millimeters

**Figure 1**



**Figure 2**



Part Name	Dimensions (mm)				Pin Pitch <sup>1</sup> (Reference)		Figure
	OD (Maximum)	T (Maximum)	H (Maximum)	L	a	b	
SCF-01-5000	15.0	12.0	-	15±2.0	-	-	Fig. 1
SCF-02-1300	15.0	12.0	-	15±2.0	-	-	Fig. 1
SCF-03-650	15.0	12.0	-	15±2.0	5	9	Fig. 1
SCF-03-650H	15.0	-	12.0	5±2.0	10	10	Fig. 2
SCF-05-060	15.0	11.0	-	5±1.5	5	9	Fig. 1
SCF-05-350	15.5	12.0	-	15±2.0	5	9	Fig. 1
SCF20-05-550	25.0	15.5	-	20±2.5	14	12	Fig. 1
SCF20-05-1100	25.0	15.5	-	20±2.5	14	12	Fig. 1
SCF25-06-2000	32.0	23.0	-	10±2.5	13	20	Fig. 1
SCF25-08-1300	32.0	23.0	-	10±2.5	13	20	Fig. 1
SCF27-10-1300	35.0	24.0	-	15±3.0	24	20	Fig. 1
SCF27-15-700	36.0	24.0	-	15±3.0	24	20	Fig. 1
SCF27-15-700H	35.0	-	25.0	10±2.0	22	21	Fig. 2

<sup>1</sup> Pin pitch listed above for reference only. Values not guaranteed.

## Environmental Compliance

All KEMET AC line filters are RoHS Compliant.



## Performance Characteristics

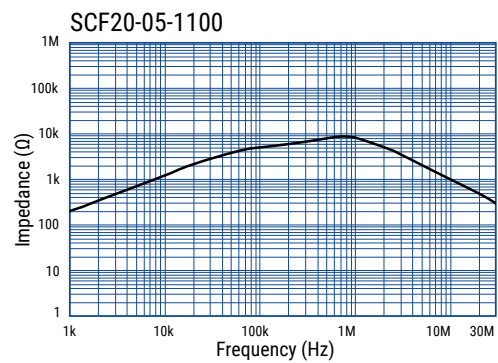
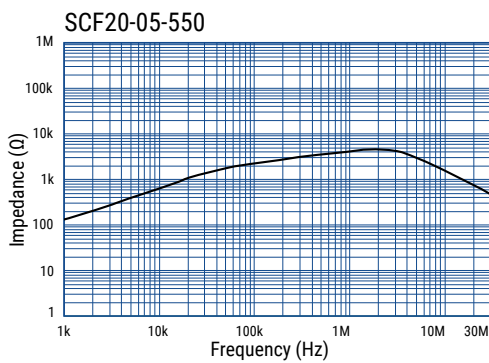
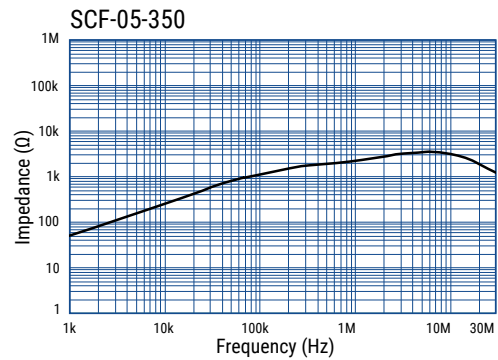
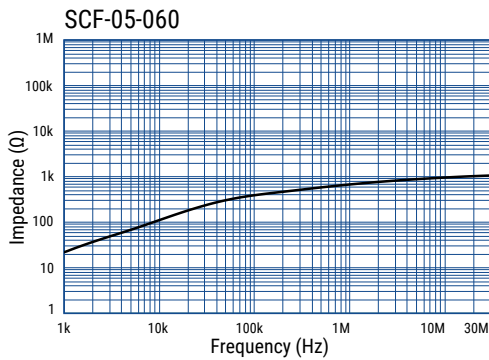
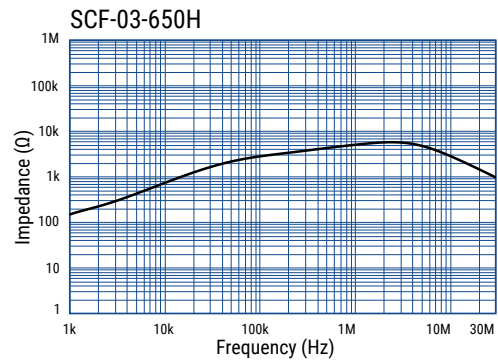
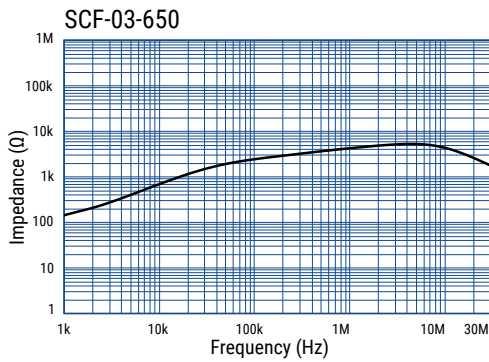
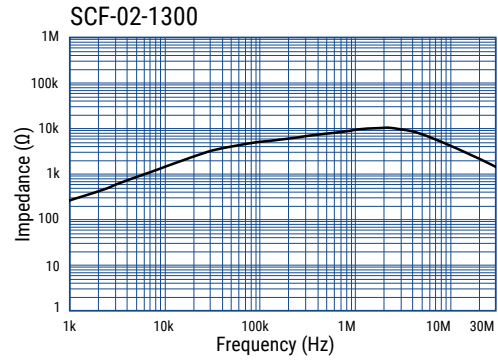
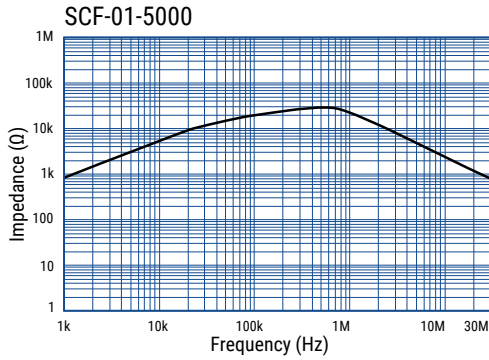
Item	Performance Characteristics
Rated Voltage	250 VAC/VDC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Rated Current Range	1 – 15 A
Rated Inductance Range	0.6 – 50.0 mH minimum
Inductance Measurement Condition	10 kHz
Thermal Class	E (120°C)
Operating Temperature Range	-40°C to +120°C (include self temperature rise)

### Table 1 – Ratings & Part Number Reference

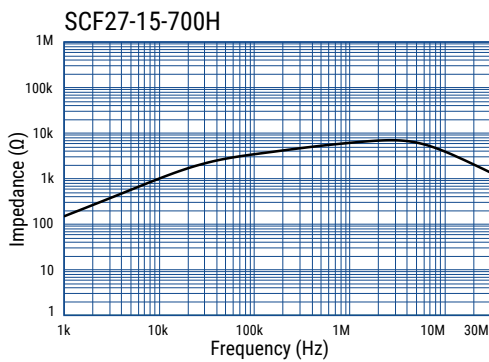
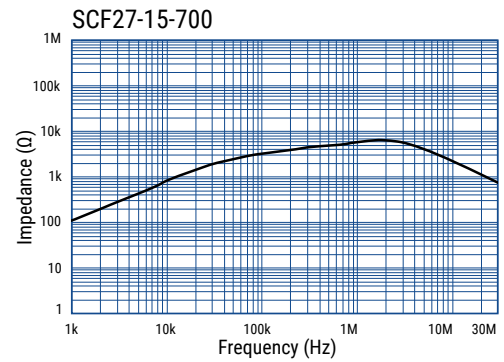
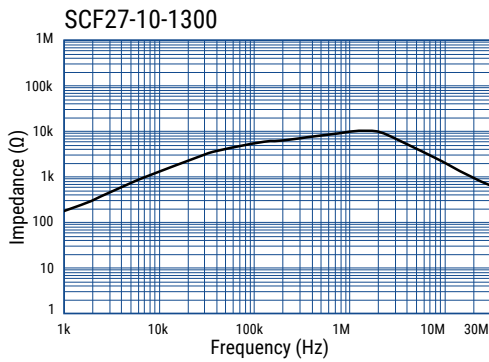
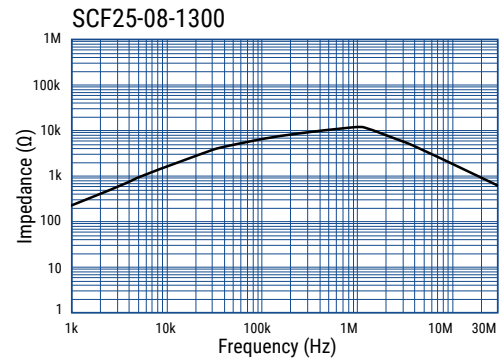
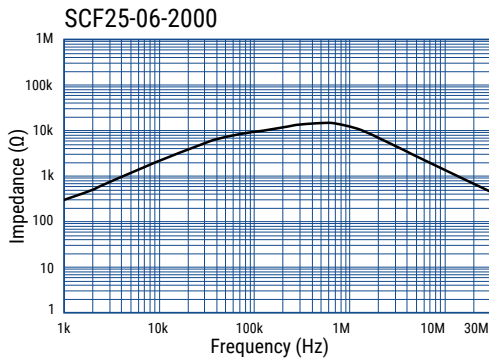
Part Number	Rated Current (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SCF-01-5000 <sup>1</sup>	1	50.0	390.0	60	0.35	5.0
SCF-02-1300 <sup>1</sup>	2	13.0	115.0	50	0.45	5.0
SCF-03-650 <sup>1</sup>	3	6.5	70.0	55	0.50	5.0
SCF-03-650H <sup>1</sup>	3	6.5	70.0	55	0.50	5.0
SCF-05-060 <sup>1</sup>	5	0.6	18.0	55	0.50	3.3
SCF-05-350 <sup>1</sup>	5	3.5	35.0	55	0.60	5.0
SCF20-05-550	5	5.5	28.0	50	0.80	11.4
SCF20-05-1100	5	11.0	39.0	70	0.80	13.5
SCF25-06-2000	6	20.0	26.0	45	1.10	41.5
SCF25-08-1300	8	13.0	18.0	50	1.20	41.0
SCF27-10-1300	10	13.0	15.0	55	1.30	47.0
SCF27-15-700	15	7.0	5.0	70	1.50	48.0
SCF27-15-700H	15	7.0	8.5	70	1.50	49.0

<sup>1</sup> Insulation distance designed value of  $\geq 2.6$  mm.

## Frequency Characteristics



## Frequency Characteristics cont.



## Packaging

Type	Packaging Type	Pieces Per Box
SCF-01-5000	Tray	1,300
SCF-02-1300		
SCF-03-650		
SCF-03-650H		1,020
SCF-05-060		1,300
SCF-05-350		
SCF20-05-550		400
SCF20-05-1100		
SCF25-06-2000		100
SCF25-08-1300		
SCF27-10-1300		
SCF27-15-700		
SCF27-15-700H		

## Handling Precautions

### Precautions for product storage

AC Line Filters should be stored in normal working environments. While the chokes themselves are quite robust in other environments, solderability will be degraded by exposure to high temperatures, high humidity, corrosive atmospheres, and long term storage.

KEMET recommends that maximum storage temperature not exceed 40°C and maximum storage humidity not exceed 70% relative humidity. Atmospheres should be free of chlorine and sulfur bearing compounds. Temperature fluctuations should be minimized to avoid condensation on the parts. Avoid storage near strong magnetic fields, as this might magnetize the product.

For optimized solderability, AC line filters stock should be used promptly and preferably within 6 months of receipt.

### Product temperature rise values

The values listed for temperature rise are the result of self-heating in wires when the rated current (commercial frequency) is applied.

When using the product, check and evaluate the value of the core temperature rise under actual operating conditions.

# Common Mode SCF Coils, SCF Series, Terminal Base Type

## Overview

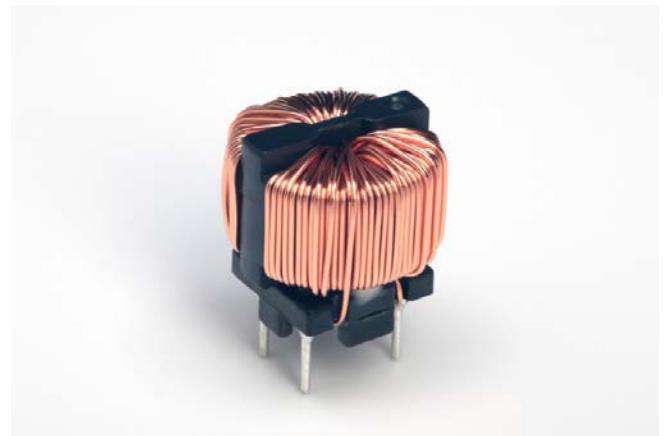
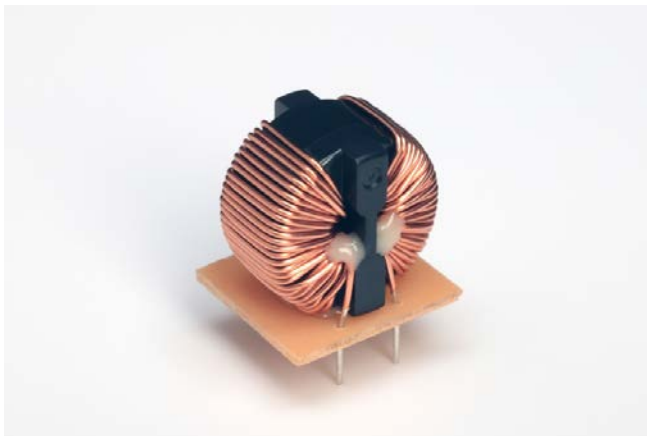
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## Applications

- Audio-visual equipment
- Industrial equipment
- Home appliances
- Power supplies

## Benefits

- Nanocrystalline metal core
- Ultra-high inductance
- Ultra-high permeability
- Operating temperature range from  $-40^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$
- UL 94 V-0 flame retardant rated base and cap



## Part Number System

SCF	31B-	200-	2R0	A	020	JH	
Series	Dimension Code (See Dimensions)	Rated Current (A)	Wire Diameter (mm)	Windings	Inductance (mH) Minimum	Terminal Base Type	Internal Control Code
SCF	Blank 12 19 31B 33B 47B 47C	0x = x A xxx = xx.x A  Examples: 02 = 2 A 025 = 2.5 A 200 = 20.0 A	Blank R = Decimal point  Examples: 0R8 = 0.8 mm 2R0 = 2.0 mm	Blank A = Single C = Triple	xxxx = xx.xx mH xxx = xx.xmH xx = x.x mH  Examples: 1100 = 11.00 mH 020 = 2.0 mH 65 = 6.5 mH	J = Vertical type JH = Horizontal type	Blank V



## Magnetic Permeability of Ferrite Material

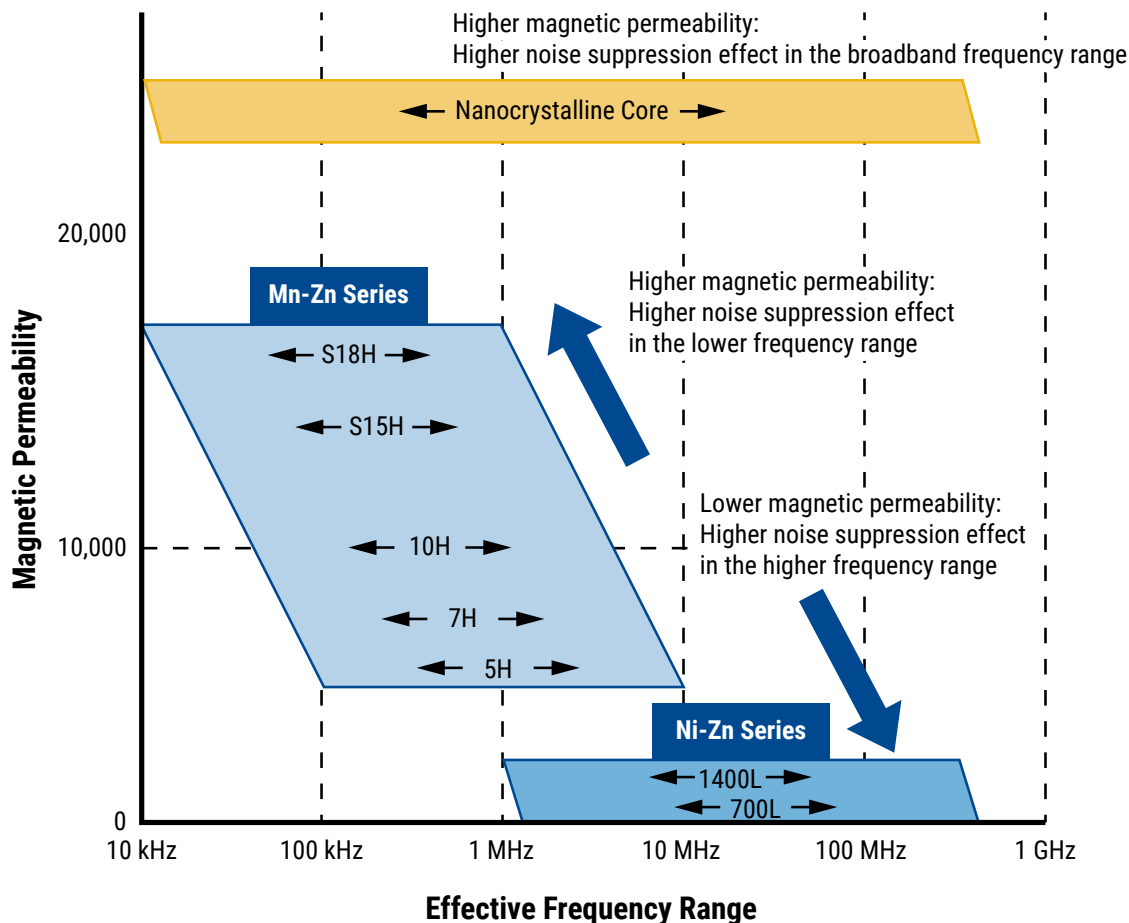
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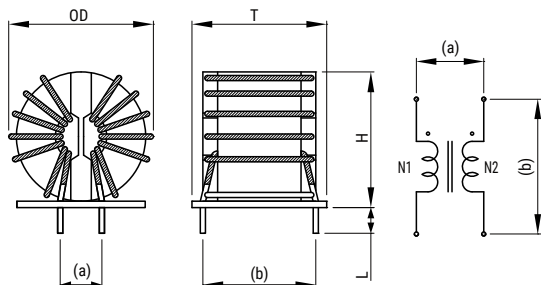
S18H, S15H, 10H, 7H, 5H, 1400L, and 700L are KEMET’s proprietary ferrite material names. Other materials are available upon request.

Figure 1 - Relationship between the magnetic permeability of each material and its effective frequency range

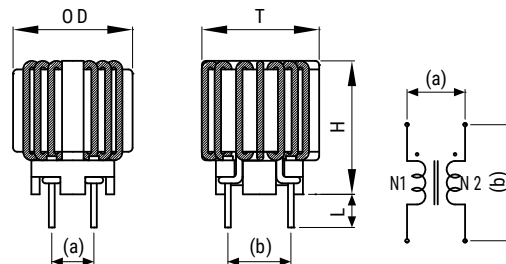


## Dimensions – Millimeters

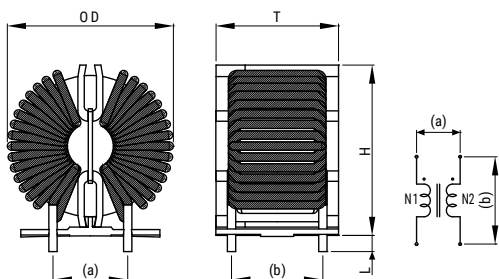
**Figure 1**



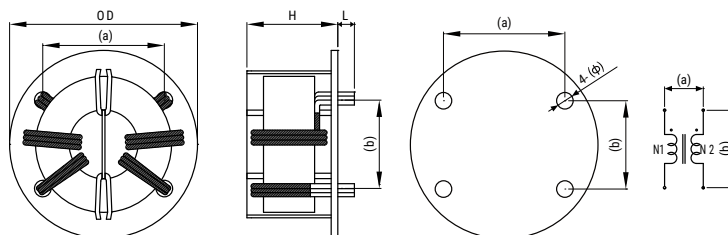
**Figure 2**



**Figure 3**



**Figure 4**

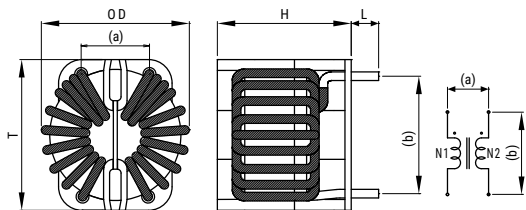


Part Name	Dimensions (mm)				Pin Pitch <sup>1</sup> (Reference)							Figure
	OD (Maximum)	T (Maximum)	H (Maximum)	L	a	b	c	d	φ	e	R	
SCF-02-130JV	15.0	14.0	15.0	4.5±1.0	5.00	10.00	-	-	-	-	-	Fig. 1
SCF-02-350JH	16.0	15.0	15.5	3.0±0.5	5.08	7.62	-	-	-	-	-	Fig. 2
SCF12-025-1100J	16.0	12.0	16.0	3.1±0.5	6.00	10.00	-	-	-	-	-	Fig. 1
SCF-03-65JV	15.0	14.0	15.0	3.5±1.0	5.00	10.00	-	-	-	-	-	Fig. 1
SCF19-040-0R8A1100J	28.5	23.0	28.5	3.5±1.0	18.00	16.00	-	-	-	-	-	Fig. 3
SCF47B-600-2R2C0005JH	70.0	-	36.5	6.0±3.0	44.00	32.00	-	-	6.0	-	-	Fig. 4
SCF31B-200-2R0A020JH	48.0	42.0	35.0	4.0±1.0	17.00	30.00	-	-	-	-	-	Fig. 5
SCF33B-400-1R6C009JH	50.0	50.0	35.0	5.0±2.0	25.00	30.00	-	-	4.2	-	-	Fig. 6
SCF47B-400-1R8C040J	63.0	39.0	61.0	4.5±1.5	25.00	28.00	-	-	-	-	-	Fig. 7
SCF47C-400-1R8C040JH	70.0	-	38.0	5.0±2.0	44.00	32.00	45°	2.3	-	7.0	1.15	Fig. 8

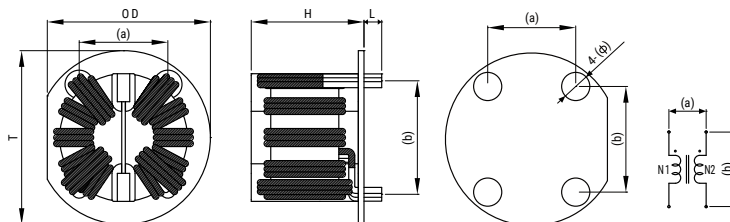
<sup>1</sup> Pin pitch listed above for reference only. Values not guaranteed.

**Dimensions – Millimeters cont.**

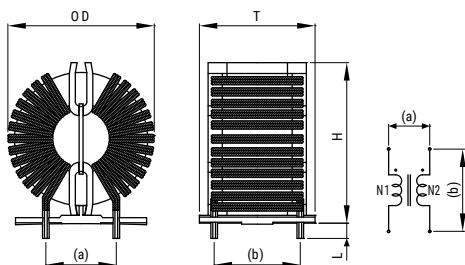
**Figure 5**



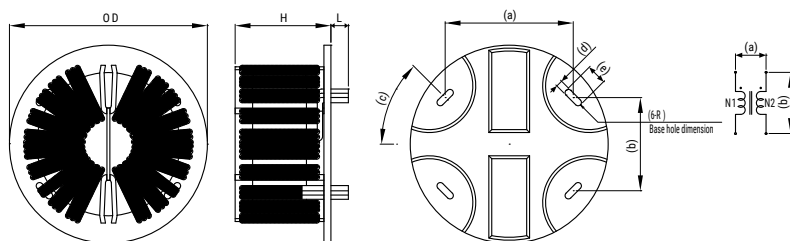
**Figure 6**



**Figure 7**



**Figure 8**



Part Name	Dimensions (mm)				Pin Pitch <sup>1</sup> (Reference)							Figure
	OD (Maximum)	T (Maximum)	H (Maximum)	L	a	b	c	d	φ	e	R	
SCF-02-130JV	15.0	14.0	15.0	4.5±1.0	5.00	10.00	-	-	-	-	-	Fig. 1
SCF-02-350JH	16.0	15.0	15.5	3.0±0.5	5.08	7.62	-	-	-	-	-	Fig. 2
SCF12-025-1100J	16.0	12.0	16.0	3.1±0.5	6.00	10.00	-	-	-	-	-	Fig. 1
SCF-03-65JV	15.0	14.0	15.0	3.5±1.0	5.00	10.00	-	-	-	-	-	Fig. 1
SCF19-040-0R8A1100J	28.5	23.0	28.5	3.5±1.0	18.00	16.00	-	-	-	-	-	Fig. 3
SCF47B-600-2R2C0005JH	70.0	-	36.5	6.0±3.0	44.00	32.00	-	-	6.0	-	-	Fig. 4
SCF31B-200-2R0A020JH	48.0	42.0	35.0	4.0±1.0	17.00	30.00	-	-	-	-	-	Fig. 5
SCF33B-400-1R6C009JH	50.0	50.0	35.0	5.0±2.0	25.00	30.00	-	-	4.2	-	-	Fig. 6
SCF47B-400-1R8C040J	63.0	39.0	61.0	4.5±1.5	25.00	28.00	-	-	-	-	-	Fig. 7
SCF47C-400-1R8C040JH	70.0	-	38.0	5.0±2.0	44.00	32.00	45°	2.3	-	7.0	1.15	Fig. 8

<sup>1</sup> Pin pitch listed above for reference only. Values not guaranteed.

## Environmental Compliance

All KEMET AC line filters are RoHS Compliant.



## Performance Characteristics

Item	Performance Characteristics
Rated Voltage	250 VAC/VDC and 500VAC/VDC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 500 VDC (between lines)
Rated Current Range	2 – 60 A
Rated Inductance Range	0.05 – 35 mH minimum
Inductance Measurement Condition	10 kHz, 50 kHz, and 100 kHz
Thermal Class	E (120°C)
Operating Temperature Range	-40°C to +120°C (include self temperature rise)

### Table 1 – Ratings & Part Number Reference

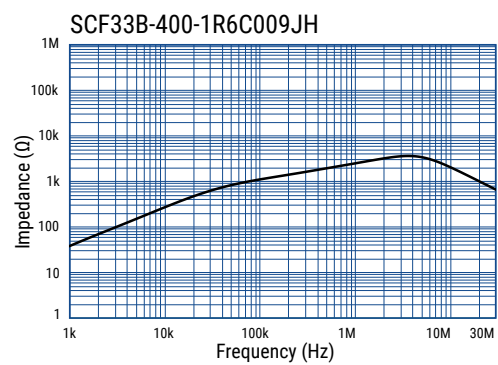
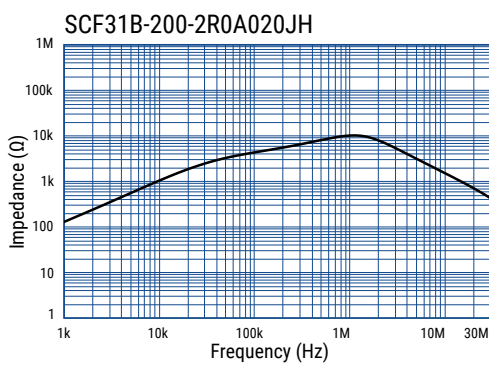
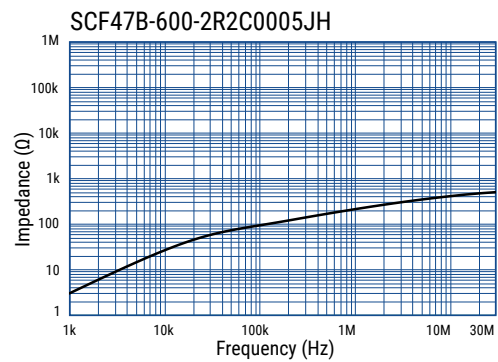
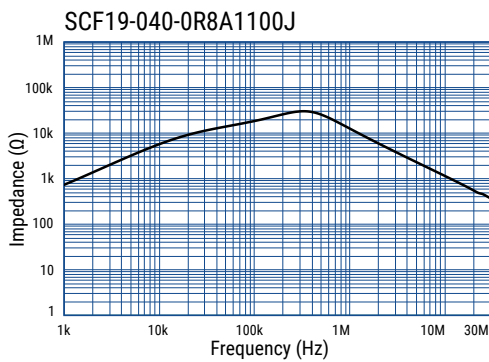
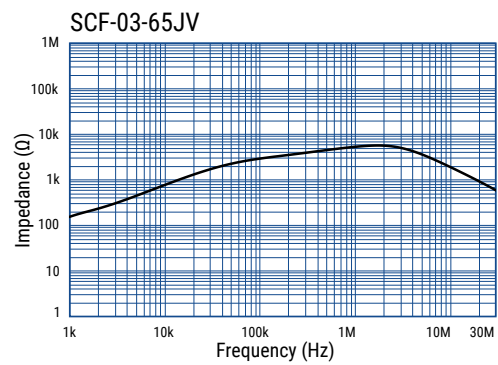
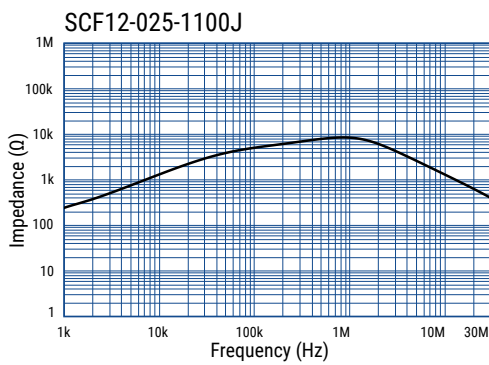
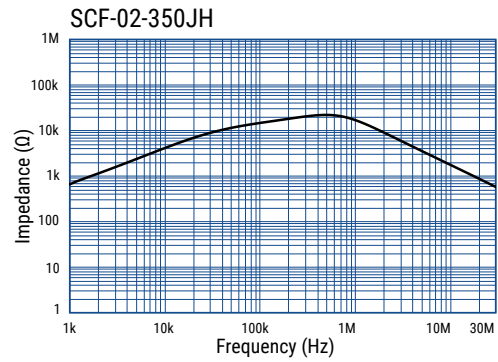
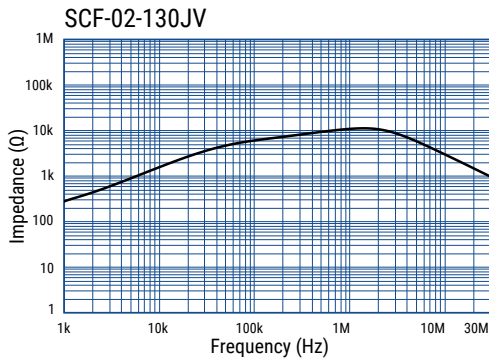
Part Number	Rated Voltage AC/DC (V)	Rated Current (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SCF-02-130JV	250	2.0	13.00 <sup>1</sup>	115.00	50	0.45	5.0
SCF-02-350JH	250	2.0	35.00 <sup>1</sup>	220.00	45	0.40	5.4
SCF12-025-1100J	250	2.5	11.90 <sup>1</sup>	82.60	70	0.45	5.0
SCF-03-65JV	250	3.0	6.50 <sup>1</sup>	70.00	55	0.50	4.0
SCF19-040-0R8A1100J	250	4.0	11.00 <sup>2</sup>	70.00	60	0.80	27.6
SCF47B-600-2R2C0005JH	250	60.0	0.05 <sup>3</sup>	0.31	35	2.2 x 3 Parallel	135.0
SCF31B-200-2R0A020JH	500	20.0	2.00 <sup>3</sup>	5.20	55	2.00	91.1
SCF33B-400-1R6C009JH	500	40.0	0.90 <sup>3</sup>	1.70	65	1.60	105.1
SCF47B-400-1R8C040J	500	40.0	4.00 <sup>1</sup>	2.10	75	1.8 x 3 Parallel	190.0
SCF47C-400-1R8C040JH	500	40.0	4.00 <sup>1</sup>	2.10	55	1.8 x 3 Parallel	192.7

<sup>1</sup> Inductance Measurement Condition: 10 kHz

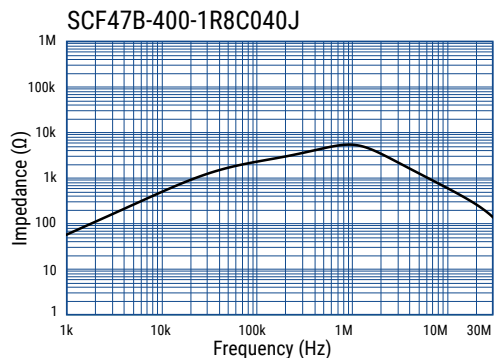
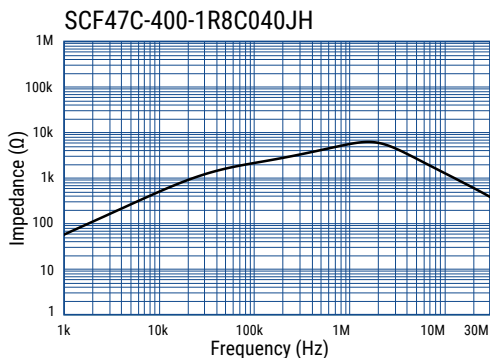
<sup>2</sup> Inductance Measurement Condition: 50 kHz

<sup>3</sup> Inductance Measurement Condition: 100 kHz

## Frequency Characteristics



## Frequency Characteristics cont.



## Packaging

Type	Packaging Type	Pieces Per Box
SCF-02-130JV	Tray	360
SCF-02-350JH		600
SCF12-025-1100J		1,080
SCF-03-65JV		360
SCF19-040-0R8A1100J		240
SCF47B-600-2R2C0005JH		36
SCF31B-200-2R0A020JH		80
SCF33B-400-1R6C009JH		36
SCF47B-400-1R8C040J		
SCF47C-400-1R8C040JH		
SCF47C-400-1R8C040JH		

## Overview

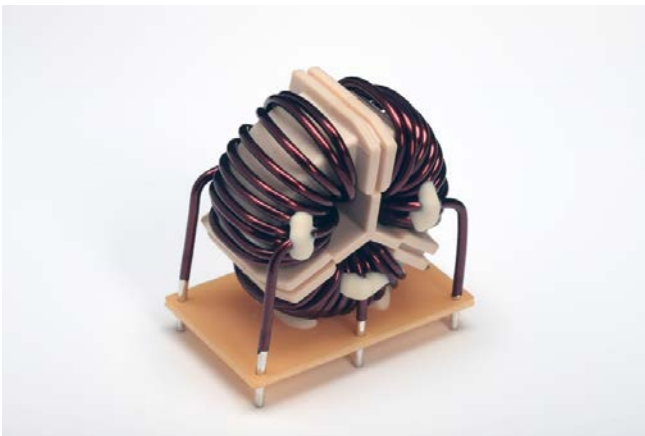
The KEMET SCF coils are common mode chokes with a wide variety of characteristics. These toroidal coils are designed with nanocrystalline metal cores and are useful in various noise countermeasure fields.

## Applications

- Audio-visual equipment
- Industrial equipment
- Home appliances
- Power supplies

## Benefits

- Nanocrystalline metal core
- Ultra-high inductance
- Ultra-high permeability
- Operating temperature range from  $-40^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$
- UL 94 V-0 flame retardant rated base and cap



## Part Number System

SCF	31-	150-	S	1R6	A	010	JH
Series	Dimension Code (See Dimensions)	Rated Current (A)	Phase	Wire Diameter (mm)	Windings	Inductance (mH) Minimum	Terminal Base Type
SCF	31 31B 47 47B	xxx = xx.x A  Examples: 150 = 15.0 A	S = Three-phase	R = Decimal point  Examples: 1R6 = 1.6 mm	A = Single B = Double C = Triple	xxx = xx.xmH  Examples: 010 = 1.0 mH  Note: With exceptions, see Table 1 for details.	J = Vertical type JH = Horizontal type

## Magnetic Permeability of Ferrite Material

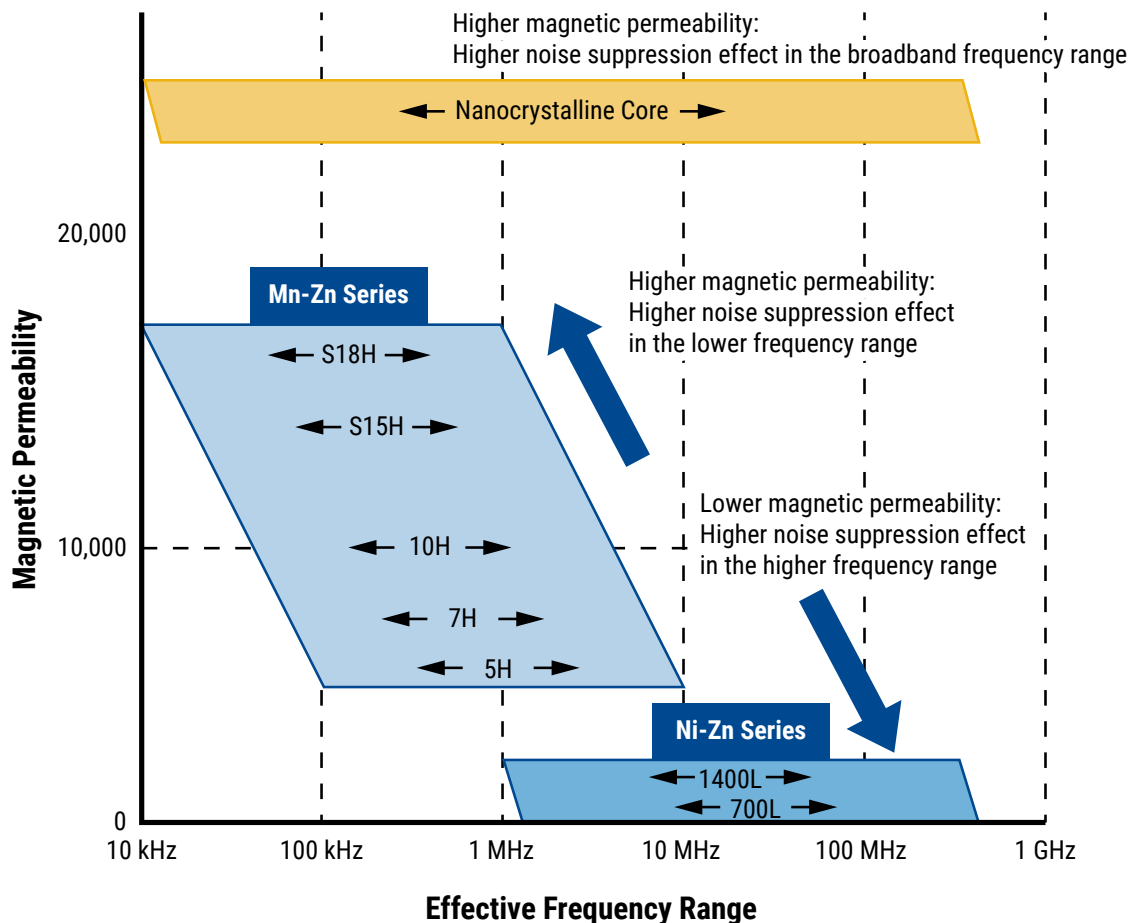
In order to achieve most efficient noise reduction, it is important to select the material according to the target frequency band. Depending on its magnetic permeability, a particular ferrite material or metal material will be effective in a certain frequency band. A schematic representation of the relationship between the magnetic permeability of each material and the corresponding effective band range is shown in Figure 1.

Ferrite materials with higher magnetic permeability are effective in the lower frequency range, while those with lower magnetic permeability are effective in the higher frequency range. Thus, Mn-Zn products are mainly used for reducing conduction noise, while Ni-Zn products are commonly used for radiation noise countermeasures. Metal materials, however, are effective throughout the broadband frequency range, in low as well as high frequencies.

The effective frequency range varies depending on core shape, size, and number of windings. This frequency dependence of the magnetic permeability as shown in the figure serves for reference purposes only. It should be tested on the actual device to determine its effectiveness.

S18H, S15H, 10H, 7H, 5H, 1400L, and 700L are KEMET’s proprietary ferrite material names. Other materials are available upon request.

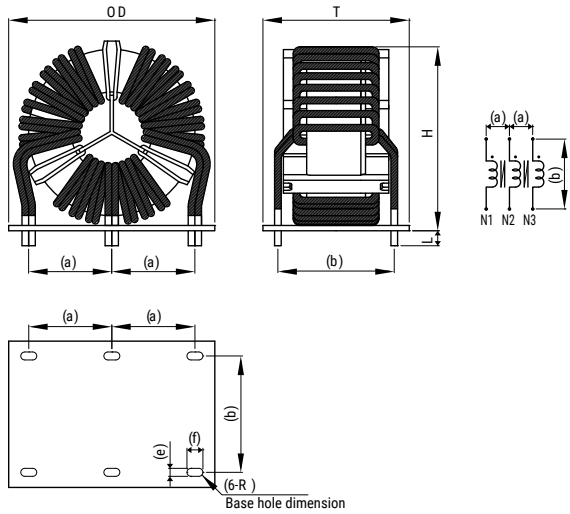
Figure 1 - Relationship between the magnetic permeability of each material and its effective frequency range



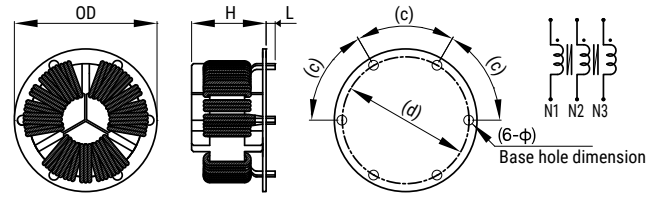


## Dimensions – Millimeters

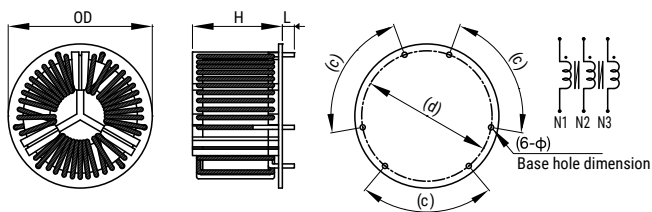
**Figure 1**



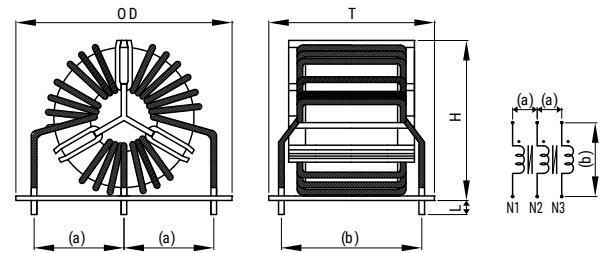
**Figure 2**



**Figure 3**



**Figure 4**



Part Name	Dimensions (mm)				Pin Pitch <sup>1</sup> (Reference)								Figure
	OD (Maximum)	T (Maximum)	H (Maximum)	L	a	b	c	d	φ	e	f	R	
SCF47B-200-S1R9B026J	63.0	45.0	65.0	5.1±1.0	25.0	35.0	-	-	-	2.3	5.0	1.15	Fig. 1
SCF47B-300-S2R0B012J	63.0	45.0	65.0	5.1±1.0	25.0	35.0	-	-	-	2.3	5.0	1.15	Fig. 1
SCF47-400-S1R7C028JH	71.0	-	40.0	4.0±1.0	-	-	60°	56.0	4.3	-	-	-	Fig. 2
SCF31-150-S1R6A010JH	42.0	-	27.0	5.0±2.0	-	-	80°	38.0	1.8	-	-	-	Fig. 3
SCF31B-180-S1R7A013J	46.5	32.0	44.0	5.0±1.0	20.0	25.0	-	-	-	-	-	-	Fig. 4

<sup>1</sup> Pin pitch listed above for reference only. Values not guaranteed.

## Environmental Compliance

All KEMET AC line filters are RoHS Compliant.



## Performance Characteristics

Item	Performance Characteristics
Rated Voltage	250 VAC/VDC and 500 VAC/VDC
Withstanding Voltage	2,400 VAC (2 seconds, between lines)
Insulation Resistance	> 100 MΩ at 500 VDC (between lines)
Rated Current Range	15 – 40 A
Rated Inductance Range	1.0 – 2.8 mH minimum
Inductance Measurement Condition	10 kHz and 100 kHz
Thermal Class	E (120°C)
Operating Temperature Range	-40°C to +120°C (include self temperature rise)

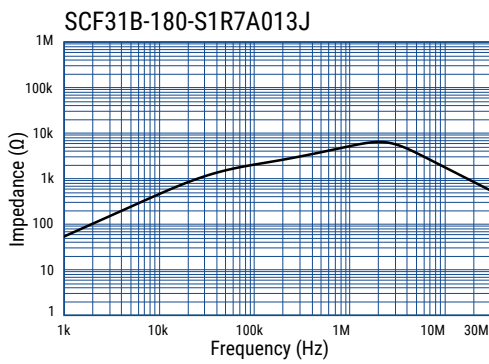
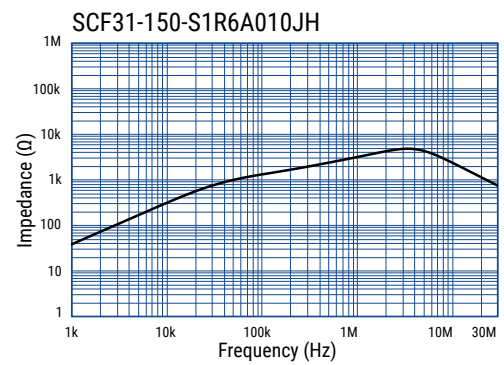
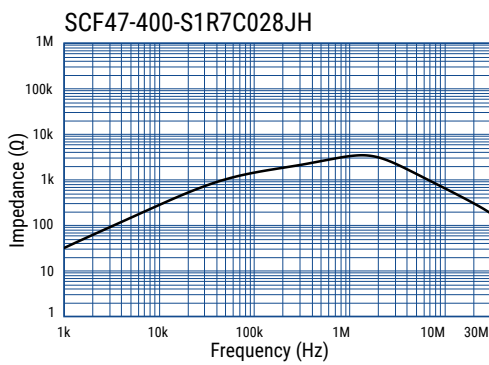
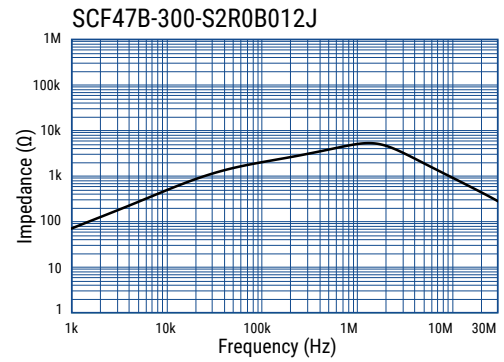
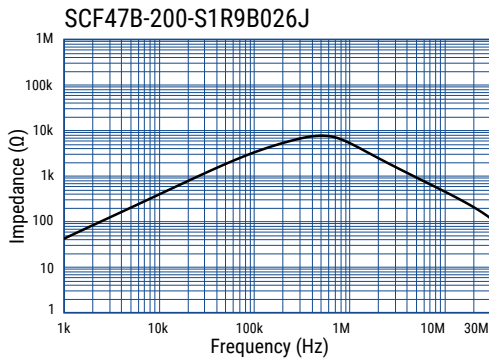
## Table 1 – Ratings & Part Number Reference

Part Number	Rated Voltage AC/DC (V)	Rated Current (A)	Inductance (mH) Minimum	DC Resistance/ Line (mΩ) Maximum	Temperature Rise (K) Maximum	Wire Diameter (mm)	Weight (g) Approximate
SCF47B-200-S1R9B026J	250	20	2.6 <sup>2</sup>	2.90	33	1.9 x 2 Parallel	229.1
SCF47B-300-S2R0B012J	250	30	1.2 <sup>2</sup>	2.40	50	2.0 x 2 Parallel	238.5
SCF47-400-S1R7C028JH	250	40	2.8 <sup>1</sup>	1.85	90	1.7 x 3 Parallel	200.0
SCF31-150-S1R6A010JH	500	15	1.0 <sup>2</sup>	5.40	60	1.60	70.0
SCF31B-180-S1R7A013J	500	18	1.5 <sup>2</sup>	6.50	82	1.70	82.4

<sup>1</sup> Inductance Measurement Condition: 10 kHz

<sup>2</sup> Inductance Measurement Condition: 100 kHz

## Frequency Characteristics



## Packaging

Type	Packaging Type	Pieces Per Box
SCF47B-200-S1R9B026J	Tray	27
SCF47B-300-S2R0B012J		
SCF47-400-S1R7C028JH		36
SCF31-150-S1R6A010JH		80
SCF31B-180-S1R7A013J		60

## Handling Precautions

### Precautions for product storage

AC Line Filters should be stored in normal working environments. While the chokes themselves are quite robust in other environments, solderability will be degraded by exposure to high temperatures, high humidity, corrosive atmospheres, and long term storage.

KEMET recommends that maximum storage temperature not exceed 40°C and maximum storage humidity not exceed 70% relative humidity. Atmospheres should be free of chlorine and sulfur bearing compounds. Temperature fluctuations should be minimized to avoid condensation on the parts. Avoid storage near strong magnetic fields, as this might magnetize the product.

For optimized solderability, AC line filters stock should be used promptly and preferably within 6 months of receipt.

### Product temperature rise values

The values listed for temperature rise are the result of self-heating in wires when the rated current (commercial frequency) is applied.

When using the product, check and evaluate the value of the core temperature rise under actual operating conditions.

Алматы (7273)495-231  
 Ангарск (3955)60-70-56  
 Архангельск (8182)63-90-72  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Благовещенск (4162)22-76-07  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Владикавказ (8672)28-90-48  
 Владимир (4922)49-43-18  
 Волгоград (844)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89

Россия +7(495)268-04-70

Иваново (4932)77-34-06  
 Ижевск (3412)26-03-58  
 Иркутск (395)279-98-46  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Коломна (4966)23-41-49  
 Кострома (4942)77-07-48  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Курган (3522)50-90-47  
 Липецк (4742)52-20-81

Казахстан +7(7172)727-132

Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Ноябрьск (3496)41-32-12  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Оренбург (3532)37-68-04  
 Орел (4862)44-53-42  
 Пенза (8412)22-31-16  
 Петрозаводск (8142)55-98-37  
 Псков (8112)59-10-37  
 Пермь (342)205-81-47

Киргизия +996(312)96-26-47

Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Саранск (8342)22-96-24  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13  
 Сургут (3462)77-98-35  
 Сыктывкар (8212)25-95-17  
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 Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
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 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Чебоксары (8352)28-53-07  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
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