



# AC Line Filters



## Why Choose KEMET

KEMET Electronics Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry, along with an expanding range of electromagnetic compatibility solutions and supercapacitors. Our vision is to be the preferred supplier of electronic component solutions for customers demanding the highest standards of quality, delivery and service.

## Features & Benefits

- Industry's highest standard, high-permeability core results in a high degree of characterization
- Optimized design for compact size, low profile and light weight
- Split and non-split bobbin design for strong inductance/impedance/frequency characteristics
- Different form factors available

## Product Checklist

- What is the type of choke is required, common or normal mode?
- What is the material and shape of the core?
- What is the rated current (A)?
- What is the inductance value (mH)?
- What is the DC resistance (mΩ)?
- What is the wire diameter value?
- What is the operating temperature range?
- What is the maximum temperature rise?
- What is the mounting type, vertical or horizontal?

**For more information, samples and engineering kits, please visit us at [www.kemet.com](http://www.kemet.com) or call 1.877.myKEMET.**

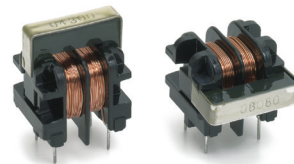
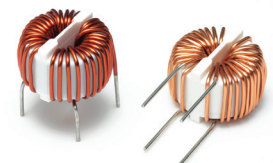
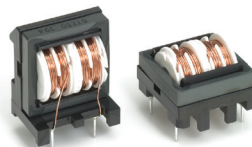
## Applications

Common mode chokes for the following applications. Normal mode and HF chokes are non-standard and available by request only:

- Audio-visual equipment
- Office automation equipment
- Digital appliances
- Power supply devices
- Power conditioners
- Air conditioners

## Ordering Information

Series Name	Rated Current (A)	Inductance (mH)	Type
SC	02	101	xx
	02 = 2.0	100 = 1.0	



## Electrical/Physical Characteristics

Mode	Series	Core Material	Core Shape	Rated Current (A)	Inductance (mH)	DC Resistance (mΩ)
Common	SC Standard	MnZn	Toroidal	2 – 30	1 – 8	6 – 110
Common	SCR	MnZn	Toroidal	2 – 5	7 – 35	47 – 200
Common	SC-J	MnZn	Toroidal	2 – 18	0.5 – 8	7 – 120
Common	SC-GJ	MnZn	Toroidal	2 – 3	0.6 – 3	100 – 300
Common	SC-JV	MnZn	Toroidal	2 – 5	15 – 44	100 – 300
Common	SC-JS	MnZn	Toroidal	2 – 3	0.8 – 1.5	80 – 120
Common	SC-JH	MnZn	Toroidal	10 – 20	1 – 2	8 – 22
Common	SC-G/GS	MnZn	Toroidal	1 – 3	0.5 – 15	30 – 450
Common	SCF	Nanocrystalline	Toroidal	1.1 – 5	3.5 – 50	35 – 390
Common	SC-D	NiZn	Toroidal	2 – 20	0.01 – 0.1	8 – 70
Common	SU 7 VC	MnZn	UU	0.2 – 1.2	0.25 – 12	160 – 6,500
Common	SU 10 VFC-R	MnZn	UU	0.3 – 2	1 – 37	150 – 4,200
Common	SU 9 V/9 H	MnZn	UU	0.1 – 1	0.5 – 10	300 – 8,000
Common	SU 9 V/9 H-R	MnZn	UU	0.1 – 1	0.8 – 18	300 – 8,000
Common	SU 9 VF/9 HF	MnZn	UU	0.2 – 0.7	1.5 – 10	440 – 4,000
Common	SU 9 VD	NiZn	UU	0.7	0.01 – 0.04	100 – 180
Common	SU 10 VD	NiZn	UU	1 – 2	0.01 – 0.08	100 – 200
Common	SU 16 VD	NiZn	UU	3 – 4	0.01 – 0.05	40 – 80
Common	SS 11 VL	MnZn	Rectangular	0.3 – 3	-	-
Common	SS 11 V-CH/H-CH	MnZn	Rectangular	0.3 – 3	0.6 – 55	63 – 4,100
Common	SS 20 H	MnZn	Rectangular	0.3 – 2	1.8 – 51	110 – 3,200
Common	SS 21 V	MnZn	Rectangular	0.3 – 3	0.8 – 93	70 – 5,900
Common	SS 24 V-CH/H-CH	MnZn	Rectangular	0.5 – 2	2.5 – 35	170 – 1,750
Common	SS 26 V	MnZn	Rectangular	0.5 – 3	2.8 – 88	100 – 2,400
Common	SS 28 V-CH/28 H-CH	MnZn	Rectangular	0.8 – 2.5	4.5 – 35	160 – 9,50
Common	SS 30 V	MnZn	Rectangular	0.8 – 4.5	1.3 – 73	60 – 1,500
Common	SS 35 V/35 H	MnZn	Rectangular	1.5 – 4.5	2.2 – 30	60 – 480
Common	SS 38 V	MnZn	Rectangular	3.5 – 4.3	3.8 – 7.3	110 – 150
Common	SS 11 VL-R	MnZn	Rectangular	0.3 – 3	0.9 – 82	60 – 4,100
Common	SS 17 HB	MnZn	Rectangular	0.3 – 1.7	0.8 – 30	120 – 2,600
Common	SS 17 VA/HA	MnZn	Rectangular	0.3 – 1.7	0.5 – 20	120 – 2,600
Common	SS 11 V/H-R-CH	MnZn	Rectangular	0.3 – 3	0.9 – 82	63 – 4,100
Common	SS 20 H-R	MnZn	Rectangular	0.3 – 2	2.3 – 66	110 – 3,200
Common	SS 21 V-R	MnZn	Rectangular	0.3 – 3	1.3 – 138	70 – 5,900
Common	SS 24 V-K-CH/24 H-K-CH	MnZn	Rectangular	0.5 – 2	4 – 57	170 – 1,750
Common	SS 24 V-R-CH/24 H-R-CH	MnZn	Rectangular	0.5 – 2	4.5 – 60	170 – 1,750
Common	SS 26 V-R	MnZn	Rectangular	0.5 – 3	3.8 – 117	100 – 2,400
Common	SS 28 V-K-CH/28 H-K-CH	MnZn	Rectangular	0.8 – 2.5	7.5 – 53	160 – 950
Common	SS 28 V-R-CH/28 H-R-CH	MnZn	Rectangular	0.8 – 2.5	8 – 60	160 – 950
Common	SS 30 V-R	MnZn	Rectangular	0.8 – 4.5	1.7 – 96	60 – 1,500
Common	SSB 11 V/H-R	MnZn	Rectangular	1.3 – 1.7	4.3 – 9	180 – 380
Common	SSB 28 V/28 H	MnZn	Rectangular	0.8 – 2.5	4.5 – 35	160 – 950
Common	SSB 28 V-R/28 H-R	MnZn	Rectangular	0.8 – 2.5	8 – 60	160 – 950
Common	SHB	Sendust	Toroidal	2 – 30	0.044 – 1.64	7 – 450