

# SCN-XV Line Filters

## Overview

KEMET **SCN-XV** coils are dual mode chokes that combine the two functions of normal mode countermeasure and common mode noise suppression in just one coil. Reducing the number of required products ensures cost savings and space efficiency. KEMET's proprietary ferrite core material 7HT provides optimized solutions for high-temperature requirements and displays high Bs characteristics. Ideal for automotive and industrial applications, especially suitable for harsh environments.

## Benefits

- Proprietary **7HT** ferrite material
- Rated voltage up to 1,000 V AC/DC
- High permeability
- High impedance
- UL 94 V-0 flame retardant rated base and cap
- AEC-Q200 qualified
- IATF 16949 managed

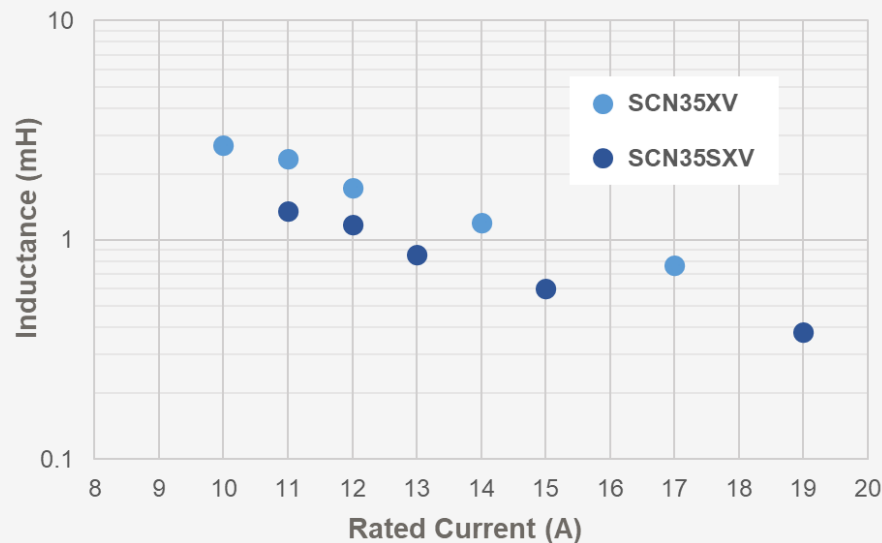
## Applications

- On board charger
- Heat pump system
- Starter booster
- Electric oil pumps
- DC / DC converter
- Electric power steering
- WPT systems

## Electrical Characteristics

- Rated Voltage: 1,000 VAC/VDC
- Rated current range: 10 to 19 A
- Inductance range: 0.38 to 2.70 mH
- DCR: 2.36 to 11.10 mΩ
- Operating temperature: -40°C to +150°C

## Selection Guide



Standard Type  
SCN35XV

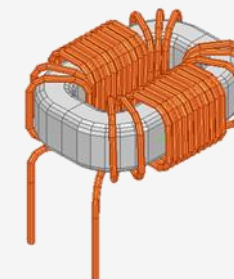


Low Height Type  
SCN35SXV



## Core Structure for 2 Functions

- Both functions of common and differential mode in one package
- High temperature resistant
- Superior DC superimposing characteristics
- Flat top surface for easy access to heat sink



## Part Number System

SCN	35	XV-	110-	1R5	A	015	JH
Series	Outer Core Diameter	Approval	Rated Current	Wire Diameter	Windings	Number of Turns	Terminal Base Type
SCN = 7HT ferrite core	35 35S	XV = AEC-Q200	110 = 11 A	1R5 = 1.5mm ø	A = Single wire	015 = 15 turns	JH = Horizontal type