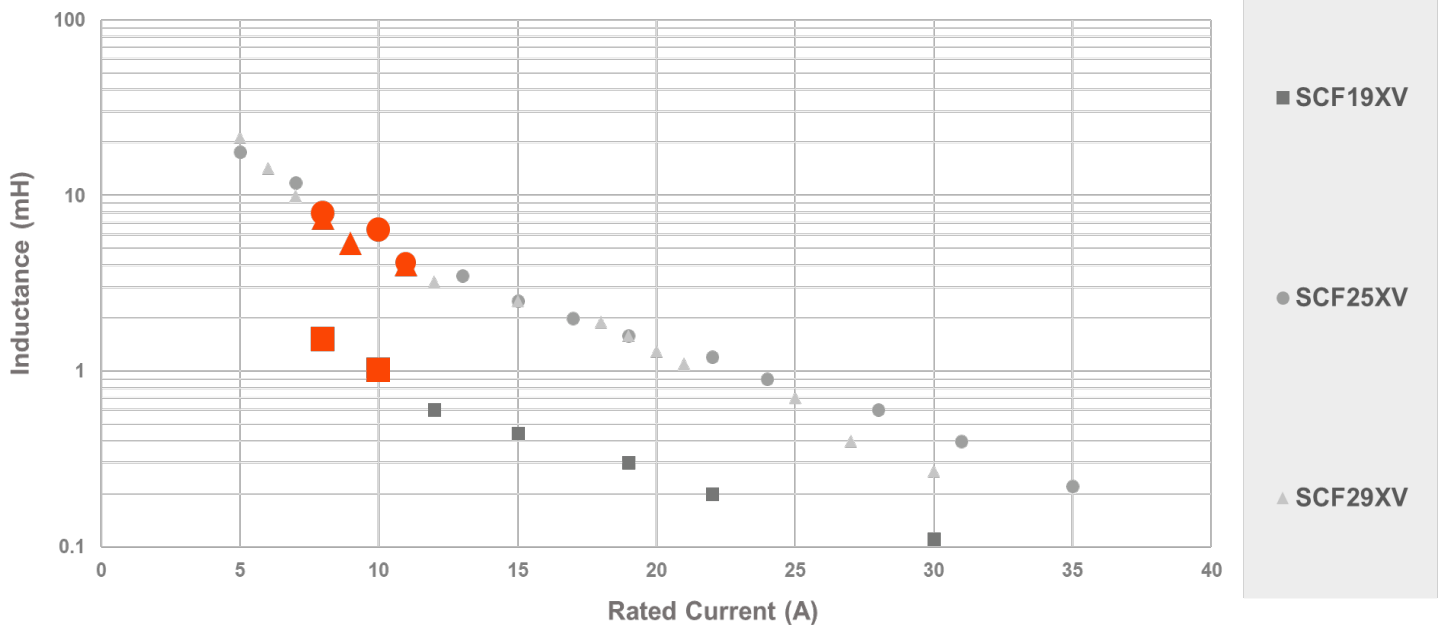


SCF-XV Common Mode Coils, Nanocrystal Core Material, 8 - 11 A, Rated Voltage 1,000 V, AEC-Q200 Automotive Kit

Sample Kit Contents

KEMET Part Number	Rated Voltage AC/DC (V)	Rated Current (A)	Inductance 100kHz (mH)	DC Resistance/Line (mΩ) ±13%	Temperature Rise (K) Maximum	Quantity	Description
SCF19XV-080-1R0A011JV	1,000	8	1.500 +50%, -30%	8.700	45	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF19XV-100-1R1A009JV	1,000	10	1.000 +50%, -30%	6.030	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF25XV-080-1R2A018JV	1,000	8	4.000 ±35%	14.410	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF25XV-100-1R3A016JV	1,000	10	3.100 ±35%	10.910	45	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF25XV-110-1R4A013JV	1,000	11	2.100 ±35%	7.720	45	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF29XV-080-1R3A026JV	1,000	8	7.400 +50%, -30%	14.200	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF29XV-090-1R4A022JV	1,000	9	5.300 +50%, -30%	10.200	35	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF29XV-110-1R5A019JV	1,000	11	2.200 ±35%	8.000	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF19XV-080-1R0A011JH	1,000	8	1.500 +50%, -30%	8.980	45	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF19XV-100-1R1A009JH	1,000	10	1.000 +50%, -30%	6.230	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF25XV-080-1R2A018JH	1,000	8	7.900 +50%, -30%	14.700	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF25XV-100-1R3A016JH	1,000	10	6.300 +50%, -30%	11.100	45	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF25XV-110-1R4A013JH	1,000	11	4.100 +50%, -30%	7.890	45	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF29XV-080-1R3A026JH	1,000	8	4.150 ±35%	14.200	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF29XV-090-1R4A022JH	1,000	9	2.950 ±35%	10.600	35	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
SCF29XV-110-1R5A019JH	1,000	11	2.200 ±35%	8.070	40	1	Common Mode SCF-XV Coils, Nanocrystal Core, Automotive grade, 8 - 11 A
KEMET Part Number	Rated Voltage AC/DC (V)	Rated Current (A)	Inductance (mH) ±30%	DC Resistance/Line (mΩ) ±13%	Temperature Rise (K) Maximum	Quantity	Description

Selection Guide for Nanocrystal SCF-XV Series 8-11 A



Dimensions – Millimeters

Figure 1

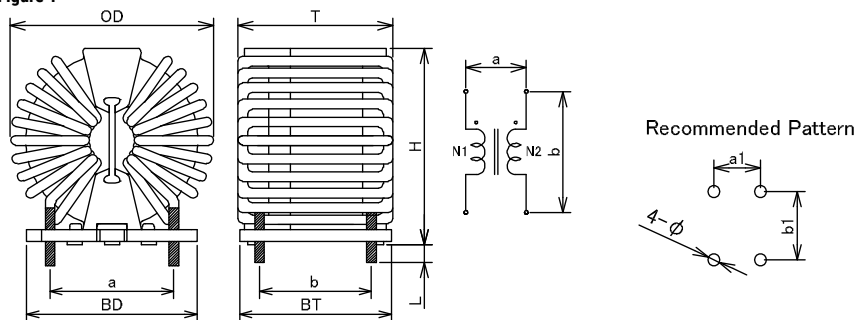
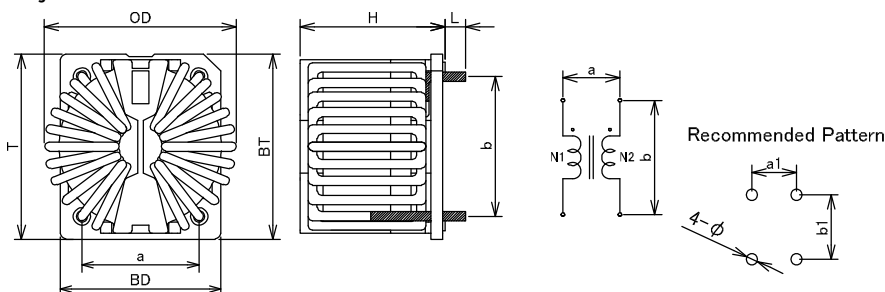


Figure 2



Part Name	Dimensions (mm)				Base Dimensions ²		Pin Pitch ³		Recommended Hole Pattern ⁴			Figure
	OD (Maximum)	T (Maximum)	H ¹	L	BD	BT	a	b	a1	b1	φ	
SCF19XV-JV	27.0	18.4	26.50 +1.0/-0.6	3.50 ±0.5	24.20 ±0.5	17.85 ±0.5	17.0 ±0.5	12.0 ±0.5	17.0	12.0	1.4	Fig. 1
SCF25XV-JV	34.0	26.0	32.50 +1.0/-0.6	3.50 ±0.5	28.20 ±0.5	25.50 ±0.5	20.5 ±0.5	18.5 ±0.5	20.5	18.5	1.4	
SCF29XV-JV	39.0	21.4	36.70 +1.0/-0.6	3.50 ±0.5	30.20 ±0.5	20.85 ±0.5	22.5 ±0.5	13.5 ±0.5	22.5	13.5	1.5	
SCF19XV-JH	27.0	27.0	17.90 +1.0/-0.6	3.50 ±0.5	24.20 ±0.5	26.45 ±0.5	17.0 ±0.5	19.0 ±0.5	17.0	19.0	1.4	Fig. 2
SCF25XV-JH	34.0	33.0	25.50 +1.0/-0.6	3.50 ±0.5	28.20 ±0.5	32.50 ±0.5	20.5 ±0.5	24.5 ±0.5	20.5	24.5	1.5	
SCF29XV-JH	39.0	37.2	20.90 +1.0/-0.6	3.50 ±0.5	30.20 ±0.5	36.70 ±0.5	22.5 ±0.5	28.5 ±0.5	22.5	28.5	1.8	

¹ The lower limit dimension is not 100% inspected in production process.

² The terminal base dimension is not 100% inspected in production process.

³ Inspection by using pin-pitch gauge.

⁴ Inspection by using pin-pitch gauge as shown in Figure 2.

⁵ Values are for reference only, not guaranteed.

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