

SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit

Sample Kit Contents

KEMET Part Number	Rated Voltage (VAC)	Rated Current (A)	Inductance (mH) ±30%	DC Resistance/Line (mΩ) ±13%	Temperature Rise (K) Maximum	Quantity	Description
SCF39XV-120-1R6A024JH	1,000	12	14.400 +50%, -30%	13.600 ±13%	50	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-130-1R7A022JH	1,000	13	12.100 +50%, -30%	11.100 ±13%	50	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-140-1R8A019JH	1,000	14	9.000 +50%, -30%	8.660 ±13%	45	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-160-1R9A017JH	1,000	16	7.200 +50%, -30%	7.120 ±13%	50	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-180-2R0A015JH	1,000	18	5.600 +50%, -30%	5.980 ±13%	50	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-190-2R1A014JH	1,000	19	4.900 +50%, -30%	5.030 ±13%	45	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-200-2R2A013JH	1,000	20	4.200 +50%, -30%	4.280 ±13%	55	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-220-2R3A012JH	1,000	22	3.600 +50%, -30%	3.580 ±13%	45	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-240-2R4A011JH	1,000	24	3.000 +50%, -30%	3.040 ±13%	55	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
SCF39XV-320-2R0B006JH	1,000	32	0.900 +50%, -30%	1.130 ±23%	40	1	SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Single-Phase, AEC-Q200 Automotive Kit
KEMET Part Number	Rated Voltage (VAC)	Rated Current (A)	Inductance (mH) ±30%	DC Resistance/Line (mΩ) ±13%	Temperature Rise (K) Maximum	Quantity	Description

Dimensions – Millimeters

Figure 1

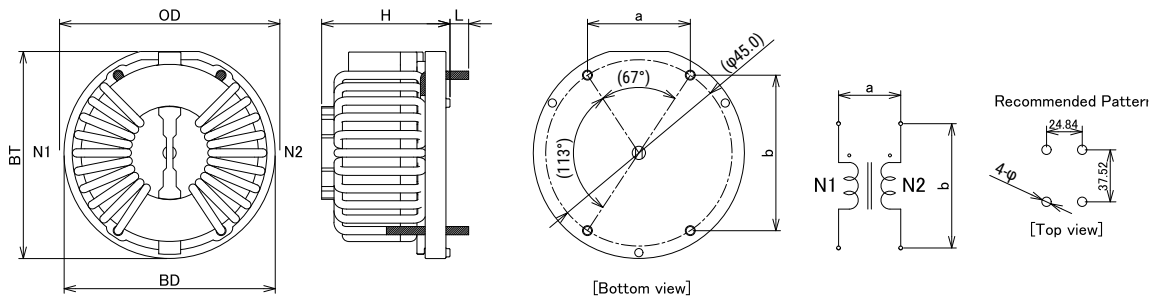
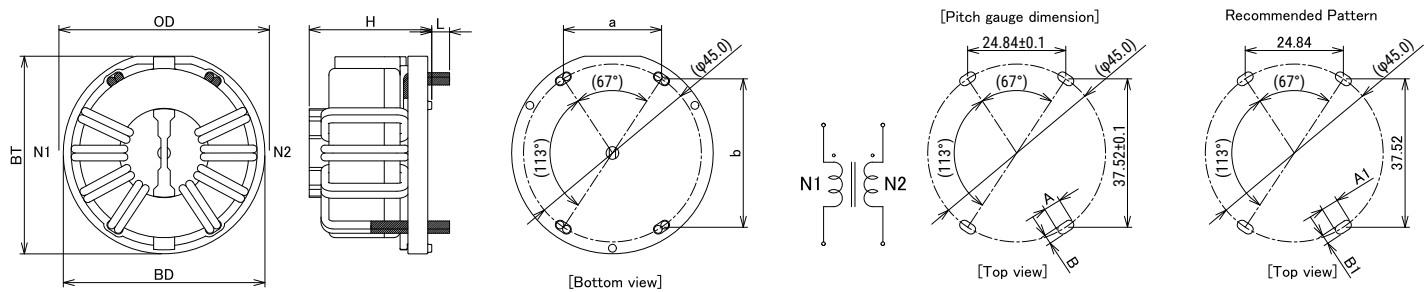


Figure 2



Part Name	Dimensions (mm)			Base Dimensions ²		Pin Pitch ³		Pitch Gauge ⁴		Recommended Hole Pattern ⁵			Figure
	OD (Maximum)	H ¹	L	BD	BT	a	b	A	B	φ	A1	B1	
SCF39XV-120-1R6A024JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.1	-	-	Fig. 1
SCF39XV-130-1R7A022JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.2	-	-	Fig. 1
SCF39XV-140-1R8A019JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.4	-	-	Fig. 1
SCF39XV-160-1R9A017JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.5	-	-	Fig. 1
SCF39XV-180-2R0A015JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.6	-	-	Fig. 1
SCF39XV-190-2R1A014JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.7	-	-	Fig. 1
SCF39XV-200-2R2A013JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	2.9	-	-	Fig. 1
SCF39XV-220-2R3A012JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	3.0	-	-	Fig. 1
SCF39XV-240-2R4A011JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	24.84±0.5	37.52±0.5	-	-	3.1	-	-	Fig. 1
SCF39XV-320-2R0B006JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0±0.5	50.0±0.5	(24.84)	(37.52)	5.0±0.1	2.7±0.1	-	5.2	2.9	Fig. 2

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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