

SCF-XV Common Mode Coils, Nanocrystal, High Temperature up to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit

Sample Kit Contents

KEMET Part Number	Rated Voltage AC/DC (V)	Rated Current (A)	Inductance (mH) $\pm 30\%$	DC Resistance/Line (m Ω) $\pm 13\%$	Temperature Rise (K) Maximum	Quantity	Description
SCF39XV-110-Y1R4A008JH	1,000	11	1.600 +50%, -30%	5.870 $\pm 13\%$	50	1	SCF-XV Common Mode Coils, Nanocrystal, -40°C to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit
SCF39XV-140-Y1R6A007JH	1,000	14	1.200 +50%, -30%	4.040 $\pm 13\%$	50	1	SCF-XV Common Mode Coils, Nanocrystal, -40°C to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit
SCF39XV-170-Y1R8A006JH	1,000	17	0.900 +50%, -30%	2.830 $\pm 13\%$	50	1	SCF-XV Common Mode Coils, Nanocrystal, -40°C to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit
SCF39XV-230-Y2R2A005JH	1,000	23	0.620 +50%, -30%	1.610 $\pm 13\%$	50	1	SCF-XV Common Mode Coils, Nanocrystal, -40°C to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit
SCF39XV-290-Y2R4A004JH	1,000	29	0.400 +50%, -30%	1.100 $\pm 13\%$	50	1	SCF-XV Common Mode Coils, Nanocrystal, -40°C to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit
SCF39XV-400-Y2R0B003JH	1,000	40	0.230 +50%, -30%	0.530 $\pm 23\%$	45	1	SCF-XV Common Mode Coils, Nanocrystal, -40°C to +150°C, Three-Phase 4-Wire, AEC-Q200 Automotive Kit
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Dimensions – Millimeters

Figure 1

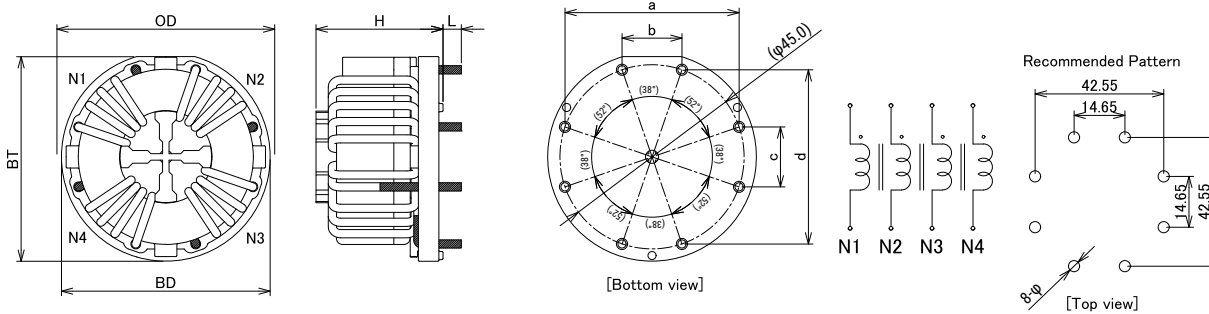
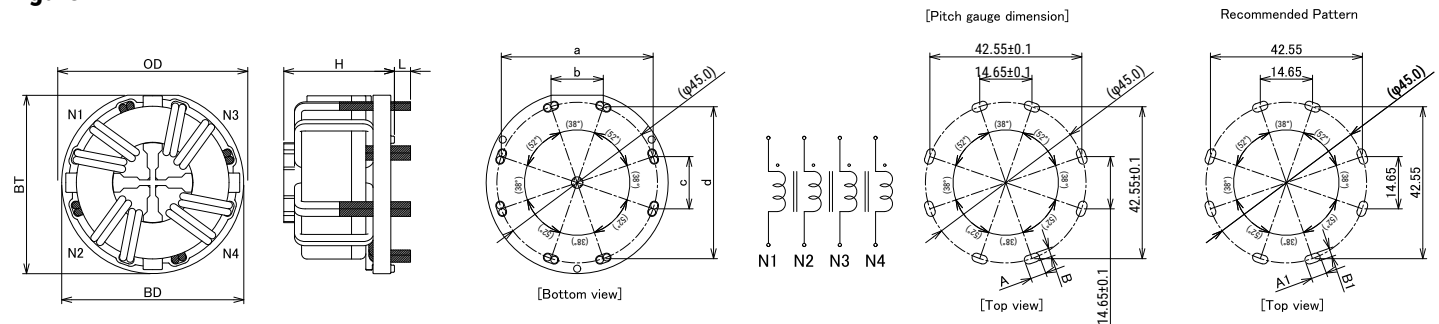


Figure 2



Part Name	Dimensions (mm)			Base Dimensions ²		Pin Pitch ³				Pitch Gauge ⁴		Recommended Hole Pattern ⁵			Figure
	OD (Max)	H ¹	L	BD	BT	a	b	c	d	A	B	φ	A1	B1	
SCF39XV-110-Y1R4A008JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0 ±0.5	50.0 ±0.5	42.55 ±0.6	14.65 ±0.6	14.65 ±0.6	42.55 ±0.6	-	-	1.9	-	-	Fig. 1
SCF39XV-140-Y1R6A007JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0 ±0.5	50.0 ±0.5	42.55 ±0.6	14.65 ±0.6	14.65 ±0.6	42.55 ±0.6	-	-	2.2	-	-	Fig. 1
SCF39XV-170-Y1R8A006JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0 ±0.5	50.0 ±0.5	42.55 ±0.6	14.65 ±0.6	14.65 ±0.6	42.55 ±0.6	-	-	2.5	-	-	Fig. 1
SCF39XV-230-Y2R2A005JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0 ±0.5	50.0 ±0.5	42.55 ±0.6	14.65 ±0.6	14.65 ±0.6	42.55 ±0.6	-	-	3.0	-	-	Fig. 1
SCF39XV-290-Y2R4A004JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0 ±0.5	50.0 ±0.5	42.55 ±0.6	14.65 ±0.6	14.65 ±0.6	42.55 ±0.6	-	-	3.2	-	-	Fig. 1
SCF39XV-400-Y2R0B003JH	53.0	31.0 +1.0/-0.6	4.50 ±0.5	51.0 ±0.5	50.0 ±0.5	(42.55)	(14.65)	(14.65)	(42.55)	5.1 ±0.1	2.8 ±0.1	-	5.3	3.0	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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