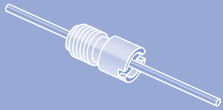

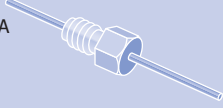

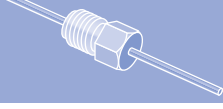

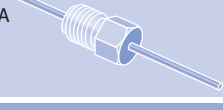







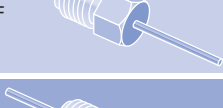





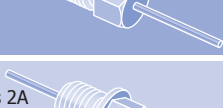









Screw mounted EMI filters

Notes:

- 1) For insertion loss information see p19
- 2) For ordering information see p20
- 3) For assembly and soldering information see p8

	Rated voltage dc	Min. - Max. capacitance		Circuit configuration	Max current
		COG/NPO	X7R		
SFNOC M2.5 x 0.45 - 6g Head Ø 3.5mm Lead Ø 0.7mm 	50	-	47nF		10A
	100	10pF - 220pF	470pF - 22nF		
SFAA 4-40 UNC Class 2A Head 4.0mm A/F Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFAJ M3 x 0.5 - 6g Head 4.0mm A/F Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFAB 6-32 UNC Class 2A Head 4.0mm A/F Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFKB 6-32 UNC Class 2A Head Ø 4.4mm Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFAK M3.5 x 0.6 - 6g Head 4.0mm A/F Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFKK M3.5 x 0.6 - 6g Head Ø 4.4mm Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFBC 8-32 UNC Class 2A Head 4.75mm A/F Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFBC 8-32 UNC Class 2A Head 4.75mm A/F Lead Ø 0.7mm 	50	-	94nF		10A
	100	-	44nF		
	200	-	20nF		
	500	20pF - 440pF	940pF - 9.4nF		
SFBL M4 x 0.7 - 6g Head 4.75mm A/F Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFBL M4 x 0.7 - 6g Head 4.75mm A/F Lead Ø 0.7mm 	50	-	94nF		10A
	100	-	44nF		
	200	-	20nF		
	500	20pF - 440pF	940pF - 9.4nF		
SFBD 12-32 UNEF Class 2A Head 4.75mm A/F Flange Ø 6.35mm Lead Ø 0.7mm 	50	-	150nF		10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFBD 12-32 UNEF Class 2A Head 4.75mm A/F Flange Ø 6.35mm Lead Ø 0.7mm 	50	-	300nF		10A
	100	-	200nF		
	200	-	94nF - 136nF		
	500	20pF - 1.36nF	2nF - 66nF		
SFCD 12-32 UNEF Class 2A Head 6.35mm A/F Lead Ø 0.7mm 	50	-	680nF		10A
	100	-	330nF - 470nF		
	200	-	220nF		
	500	10pF - 680pF	1nF - 150nF		

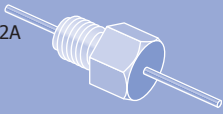
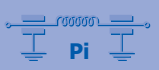
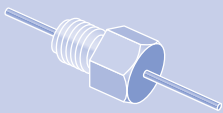

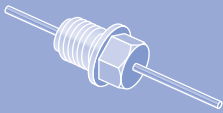

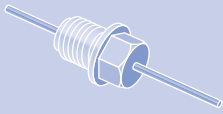
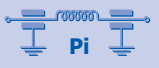
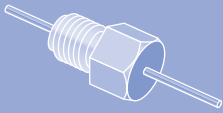

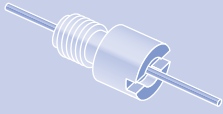

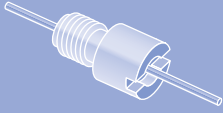
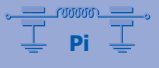








Screw mounted EMI filters

Notes:

1) For insertion loss information see p19

2) For ordering information see p20

3) For assembly and soldering information see p8

	Rated voltage dc	Min. - Max. capacitance		Circuit configuration	Max current
		COG/NP0	X7R		
SFCD 12-32 UNEF Class 2A Head 6.35mm A/F Lead Ø 0.7mm 	50	-	300nF	 Pi	10A
	100	-	200nF		
	200	-	94nF - 136nF		
	500	20pF - 1.36nF	2nF - 66nF		
SFCI 2BA Head 6.35mm A/F Lead Ø 0.7mm 	50	-	680nF	 C, L-C	10A
	100	-	330nF - 470nF		
	200	-	220nF		
	500	10pF - 680pF	1nF - 150nF		
SFBM M5 x 0.8 - 6g Head 4.75mm A/F Flange Ø 6.35mm Lead Ø 0.7mm 	50	-	150nF	 C, L-C, T	10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFBM M5 x 0.8 - 6g Head 4.75mm A/F Flange Ø 6.35mm Lead Ø 0.7mm 	50	-	300nF	 Pi	10A
	100	-	200nF		
	200	-	94nF - 136nF		
	500	20pF - 1.36nF	2nF - 66nF		
SFCM M5 x 0.8 - 6g Head 6.35mm A/F Lead Ø 0.7mm 	50	-	680nF	 C, L-C	10A
	100	-	330nF - 470nF		
	200	-	220nF		
	500	10pF - 680pF	1nF - 150nF		
SFLM M5 x 0.8 - 6g Head Ø 6.0mm Lead Ø 0.7mm 	50	-	150nF	 C, L-C, T	10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFLM M5 x 0.8 - 6g Head Ø 6.0mm Lead Ø 0.7mm 	50	-	300nF	 Pi	10A
	100	-	200nF		
	200	-	94nF - 136nF		
	500	20pF - 1.36nF	2nF - 66nF		
SFTM low profile M5 x 0.8 - 6g Head 6.35mm A/F Lead Ø 0.7mm 	50	-	150nF	 C	10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFUM low profile M5 x 0.8 - 6g Head Ø 6.0mm Lead Ø 0.7mm 	50	-	150nF	 C	10A
	100	-	100nF		
	200	-	47nF - 68nF		
	500	10pF - 680pF	1nF - 33nF		
SFJE ¼-28 UNF Class 2A Head Ø 9.8mm  Lead Ø 1.0mm	50	-	3.3µF	 C, L-C	15A
	100	-	2.2µF		
	200	-	1µF		
	300	-	680nF		
	500	-	100nF - 470nF		
	1000	-	15nF - 68nF		
	2000	330pF - 1nF	1.5nF - 10nF		
	3000	100pF - 220pF	-		
SFJN M6 x 0.75 - 6g Head Ø 9.8mm  Lead Ø 1.0mm	50	-	3.3µF	 C, L-C	15A
	100	-	2.2µF		
	200	-	1µF		
	300	-	680nF		
	500	-	100nF - 470nF		
	1000	-	15nF - 68nF		
	2000	330pF - 1nF	1.5nF - 10nF		
	3000	100pF - 220pF	-		

Typical insertion loss (dB) for panel mount EMI filters. No load. 50Ω system



C - section filters

SFAAC	SFABC	SFAJC	SFAKC	SFBCC	SFBDC	SFBLC	SFBMC
SFDCDC	SFCIC	SFCMC	SFJEB	SFJEC	SFJNC	SFKBC	SFKKC
SFLMC	SFNOC	SFSRC	SFSSC	SFSTC	SFSUC	SFTMC	SFUMC

Capacitance	0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
10pF						4
15pF						7
22pF						10
33pF						12
47pF					1	15
68pF					2	18
100pF					4	22
150pF					7	25
220pF					10	29
330pF					13	33
470pF				1	16	35
680pF				2	19	39
1nF				4	23	41
1.5nF				7	26	45
2.2nF				10	30	50
3.3nF				13	33	52
4.7nF			1	16	36	55
6.8nF			2	19	39	57
10nF			4	22	41	60
15nF			7	25	44	62
22nF			10	29	46	65
33nF			13	33	48	68
47nF		1	16	35	50	70
68nF		2	19	39	54	70
100nF		4	22	41	57	70
150nF		7	25	45	60	70
220nF		10	29	49	62	70
330nF		13	33	52	66	70
470nF	1	16	35	55	68	70
680nF	2	19	38	58	70	70
1μF	4	22	41	61	70	70
1.5μF	7	25	45	64	70	70
2.2μF	10	29	48	66	70	70
3.3μF	14	34	52	70	70	70



L-C - section filters

SFABL	SFAJL	SFAKL	SFBCL	SFBDL	SFBLL	SFBML	SFCDL
SFCIL	SFCML	SFJEL	SFJNL	SFKBL	SFKKL	SFLML	

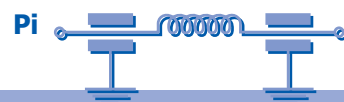
Capacitance	0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
10pF						6
15pF						9
22pF						12
33pF					1	15
47pF					2	19
68pF					4	20
100pF					7	24
150pF					10	27
220pF					12	30
330pF				1	16	34
470pF				2	19	38
680pF				3	22	41
1nF				6	25	44
1.5nF				9	29	48
2.2nF				12	31	51
3.3nF				15	35	54
4.7nF			1	18	39	57
6.8nF			2	21	41	60
10nF			4	23	43	63
15nF			7	27	46	66
22nF			10	30	48	68
33nF			13	34	50	70
47nF		1	17	37	51	70
68nF		2	20	40	55	70
100nF		4	22	44	60	70
150nF		7	25	47	62	70
220nF		10	29	49	66	70
330nF		13	33	53	68	70
470nF	1	16	35	56	70	70
680nF	2	19	38	58	70	70
1μF	4	22	41	61	70	70
1.5μF	7	25	45	64	70	70
2.2μF	10	29	49	66	70	70
3.3μF	14	34	53	70	70	70



T - section filters

SFBDT	SFBMT	SFLMT	SFAKT	SFKKT
-------	-------	-------	-------	-------

Capacitance	0.1MHz	1MHz	10MHz	100MHz	1GHz
10pF					9
15pF					11
22pF				1	14
33pF				2	18
47pF				4	20
68pF				6	23
100pF				9	27
150pF				12	30
220pF				15	33
330pF			1	19	36
470pF			2	21	40
680pF			4	24	43
1nF			7	28	47
1.5nF			10	30	50
2.2nF			13	34	53
3.3nF			17	38	57
4.7nF			19	40	59
6.8nF		1	23	43	63
10nF		4	26	45	66
15nF		7	29	47	68
22nF		10	33	49	70
33nF		14	36	50	70
47nF	1	17	39	52	70
68nF	2	20	42	57	70
100nF	4	22	46	62	70
150nF	7	25	49	68	70



Pi - section filters

SFBGP	SFBGP	SFBGP	SFBGP	SFCGP	SFLGP
-------	-------	-------	-------	-------	-------

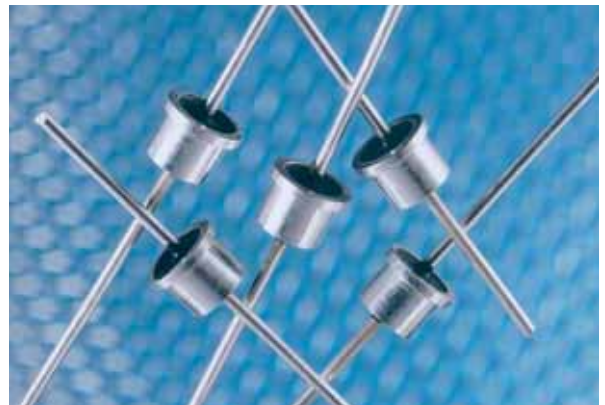
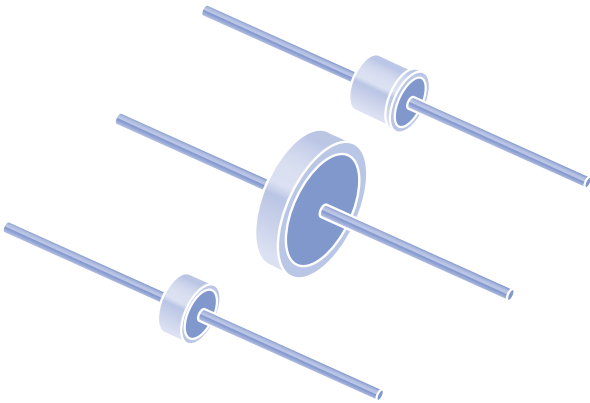
Capacitance	0.1MHz	1MHz	10MHz	100MHz	1GHz
20pF				1	11
30pF				2	15
44pF				3	19
66pF				4	23
94pF				6	29
136pF				8	35
200pF				11	41
300pF				15	50
440pF			1	20	57
660pF			2	25	65
940pF			3	31	68
1.36nF			5	37	70
2nF			7	44	70
3nF			10	51	70
4.4nF			13	59	70
6.6nF		1	17	64	70
9.4nF		2	21	68	70
13.6nF		4	27	70	70
20nF		6	34	70	70
30nF		9	40	70	70
44nF		12	48	70	70
66nF	1	14	54	70	70
94nF	2	17	63	70	70
136nF	4	18	68	70	70
200nF	8	25	70	70	70
300nF	10	27	70	70	70
	13	30	70	70	70

Panel mount EMI filters

Ordering information

Solder-in types Note: Ordering code can have up to 4 additional digits on the end to denote special requirements.

SFS	T	C	500	0223	M	X	0
Type	Case dia.	Electrical configuration	Voltage	Capacitance in picofarads (pF)	Capacitance tolerance	Dielectric	Nuts & washers
Solder-in panel mount filter	S = Special (no case) Contact Sales Office for full part number R = 2.8mm T = 3.25mm U = 5.6mm	C = C section	050 = 50Vdc 100 = 100Vdc 200 = 200Vdc 300 = 300Vdc 500 = 500Vdc 1K0 = 1kVdc 2K0 = 2kVdc 3K0 = 3kVdc	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0223=22nF	M = ±20% (Standard) P = -0 +100% S = -20%+50% Z = -20%+80%	C = COG/NPO X = X7R	0 = Without



Threaded types Note: Ordering code can have up to 4 additional digits on the end to denote special requirements.

SF	J	E	L	050	0335	M	X	1
Type	Case style * = Low Profile	Thread	Electrical configuration	Voltage or varistor maximum continuous working voltage	Capacitance in picofarads (pF)	Capacitance tolerance	Dielectric	Nuts & washers
Screw mount filter	A = 4mm A/F B = 4.75mm A/F C = 6.35mm A/F D = 10mm A/F J = 9.8mm O.D. K = 4.4mm O.D. L = 6mm O.D. M = 6.35mm O.D. N = 3.5mm O.D. T = 6.35mm A/F * U = 6mm O.D. *	A = 4-40 UNC B = 6-32 UNC C = 8-32 UNC D = 12-32 UNEF E = 1/4-28 UNF I = 2BA J = M3 K = M3.5 L = M4 M = M5 N = M6 O = M2.5	C = C section L = L-C section P = Pi section T = T section B = Balanced line filter V = Varistor EMI filter	050 = 50Vdc 100 = 100Vdc 200 = 200Vdc 300 = 300Vdc 500 = 500Vdc 1K0 = 1kVdc 2K0 = 2kVdc 3K0 = 3kVdc	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0335=3.3µF 13N6=13.6nF	M = ±20% (Standard) P = -0 +100% S = -20%+50% Z = -20%+80%	C = COG/NPO X = X7R M = MOV (varistor material)	0 = Without 1 = With

