

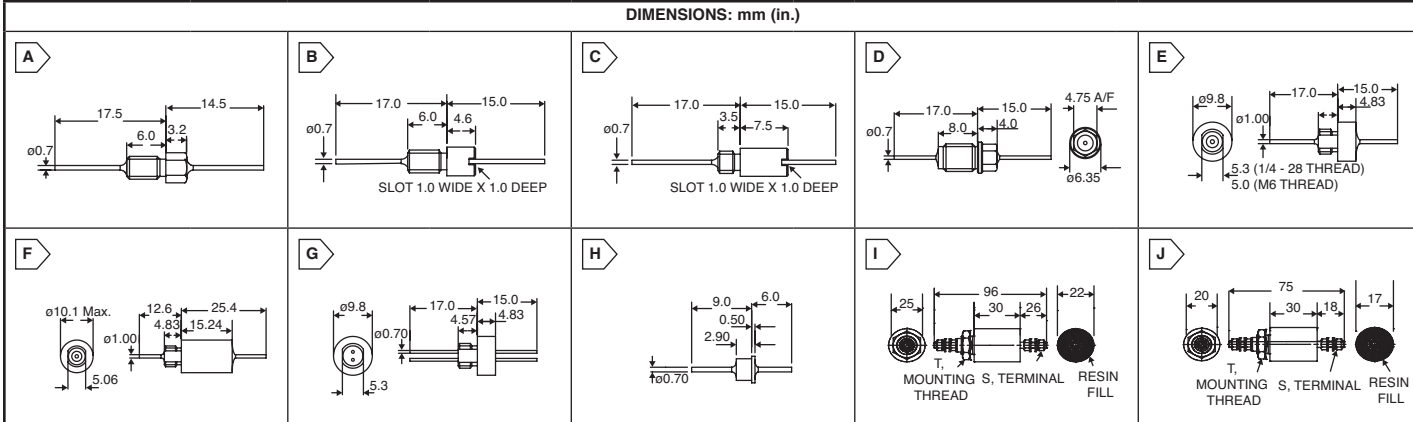
# SYFER EMI Filters



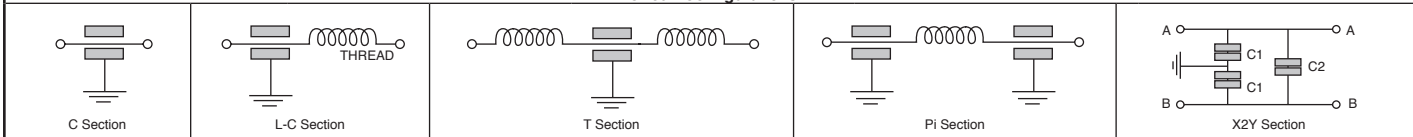
This product is RoHS compliant.



DIMENSIONS: mm (in.)



### Circuit Configurations



The SYFER range of EMI/RFI panel mount filters is extensive, covering both threaded and solder-in panel mounting versions. The threaded types are available in both metric and non-metric threads.

At the heart of every SYFER "SF" filter is a discoidal multilayer ceramic element, manufactured using a unique "Wet Process". This gives a robust construction with higher capacitance values than traditional tubular types. Dielectric materials used include stable X7R types which ensures excellent insertion loss performance. Ultra stable C0G versions are available on request. Syfer offers one of the highest capacitance values per case size - C, LC section up to 3.3uF, Pi section up to 6.6uF and maximum voltage ratings up to 3kV d.c



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Value (uF)	Rated Voltage (DC)	Circuit	Head	Mounting	Typical no-load insertion loss when measured in a 50Ω system							Price Each			
								10kHz	100kHz	1MHz	10MHz	100MHz	1GHz	10GHz	1	10	25	50
<b>Feedthrough EMI Filters</b>																		
843-SFAAC5000682MX0	SFAAC5000682MX0	A	.0068	500	C	4 A/F	4-40 UNC	--	--	2	19	39	57	70+	17.22	15.79	14.35	12.92
843-SFAAC2000683MX0	SFAAC2000683MX0	A	.068	200	C	4 A/F	4-40 UNC	--	2	19	39	54	70+	12.00	11.00	10.00	8.80	
843-SFABC1000104MX1	SFABC1000104MX1	A	.1000	100	C	4 A/F	6-32 UNC	--	4	22	41	57	70+	28.47	26.10	23.73	20.88	
843-SFKBC5000102MX0	SFKBC5000102MX0	B	.001	500	C	Ø4.4	6-32 UNC	--	--	4	23	41	70+	15.78	14.47	13.15	11.84	
843-SFKBC2000683MX0	SFKBC2000683MX0	B	.068	200	C	Ø4.4	6-32 UNC	--	2	19	39	54	70+	22.23	20.38	18.53	16.30	
843-SFKKT5000152MX0	SFKKT5000152MX0	C	.0015	500	T	Ø4.4	M3.5	--	--	10	30	50	70+	17.82	16.34	14.85	13.07	
843-SFKKT1000104MX0	SFKKT1000104MX0	C	.1000	100	T	Ø4.4	M3.5	--	4	22	46	62	70+	27.21	24.94	22.68	19.95	
843-SFBCC5000222MX1	SFBCC5000222MX1	A	.0022	500	C	4.75 A/F	8-32 UNC	--	--	10	30	50	70+	18.36	16.83	15.30	13.77	
843-SFBCC1000104MX1	SFBCC1000104MX1	A	.1000	100	C	4.75 A/F	8-32 UNC	--	4	22	41	57	70+	25.92	23.76	21.60	19.01	
843-SFBCL1000104MX1	SFBCL1000104MX1	A	.1000	100	L-C	4.75 A/F	8-32 UNC	--	4	22	44	60	70+	27.21	24.94	22.68	19.95	
843-SFBLL1000223MX1	SFBLL1000223MX1	A	.0220	100	L-C	4.75 A/F	M4	--	--	10	38	48	68	70+	18.96	17.38	15.80	14.22
843-SFBPL2000942ZX1	SFBPL2000942ZX1	A	.0094	200	Pi	4.75 A/F	M4	--	--	4	24	60	70+	28.32	25.96	23.60	20.77	
843-SFBPC0500943ZX1	SFBPC0500943ZX1	A	.0940	50	Pi	4.75 A/F	8-32 UNC	--	2	18	57	70+	70+	43.17	39.57	35.98	31.66	
843-SFBTD5000103MX0	SFBTD5000103MX0	D	.0100	500	T	4.75 A/F	12-32 UNEF	--	--	4	26	45	66	70+	32.28	29.59	26.90	23.67
843-SFBTD1000104MX1	SFBTD1000104MX1	D	.1000	100	T	4.75 A/F	12-32 UNEF	--	4	22	46	62	70+	33.33	30.55	27.78	24.44	
843-SFBDP0500943MX1	SFBDP0500943MX1	D	.0940	50	Pi	4.75 A/F	12-32 UNEF	--	4	18	68	70+	70+	29.04	26.62	24.20	21.78	
843-SFBDP1000204MX1	SFBDP1000204MX1	D	.2000	100	Pi	4.75 A/F	12-32 UNEF	--	10	27	70+	70+	70+	42.66	39.11	35.55	32.00	
843-SFCIC5000103MX1	SFCIC5000103MX1	A	.0100	500	C	6.35 A/F	2BA	--	--	4	22	41	60	70+	18.72	17.16	15.60	14.04
843-SFCML1000474MX1	SFCML1000474MX1	A	.4700	100	L-C	6.35 A/F	M5	1	16	35	55	68	70+	35.70	32.73	29.75	26.18	
843-SFCDL1000224MX1	SFCDL1000224MX1	A	.2200	100	L-C	6.35 A/F	12-32 UNEF	--	10	29	49	62	70+	27.39	25.11	22.83	20.09	
843-SFCDP5000942MX1	SFCDP5000942MX1	A	.0094	500	Pi	6.35 A/F	12-32 UNEF	--	--	4	27	68	70+	29.97	27.47	24.98	21.98	
843-SFJNC5000104MX1	SFJNC5000104MX1	E	.1000	500	C	Ø9.8	M6	--	4	22	41	57	70+	35.70	32.73	29.75	26.78	
843-SFJNL2K00103MX1	SFJNL2K00103MX1	E	.0100	2000	L-C	Ø9.8	M6	--	--	4	22	41	60	70+	36.36	33.33	30.30	26.66
843-SFJNL1K00333MX1	SFJNL1K00333MX1	E	.0330	1000	L-C	Ø9.8	M6	--	--	13	34	50	68	70+	36.60	33.55	30.50	26.84
843-SFJEC2K00332MX1	SFJEC2K00332MX1	E	.0033	2000	C	Ø9.8	1/4-28 UNF	--	--	13	33	52	70+	37.86	34.71	31.55	27.76	
843-SFJEC1000225MX1	SFJEC1000225MX1	E	2.2	100	C	Ø9.8	1/4-28 UNF	10	29	48	66	70+	70+	55.41	50.79	46.18	40.63	
843-SFJEL2000105MX1	SFJEL2000105MX1	E	1.0	200	L-C	Ø9.8	1/4-28 UNF	4	22	41	61	70+	70+	55.41	50.79	46.18	40.63	
843-SFJEL1000155MX1	SFJEL1000155MX1	E	1.5	100	L-C	Ø9.8	1/4-28 UNF	7	25	45	64	70+	70+	44.28	40.59	36.90	33.21	
843-SFJGP1K0136NMX1	SFJGP1K0136NMX1	F	.1360	1000	Pi	Ø10	1/4-28 UNF	--	8	20	70+	70+	70+	84.64	81.17	74.70	67.23	
843-SFJGP5000664MX1	SFJGP5000664MX1	F	.6600	500	Pi	Ø10	1/4-28 UNF	2	17	54	70+	70+	70+	89.10	81.67	74.25	66.82	
843-SFJGP1000445MX1	SFJGP1000445MX1	F	4.4	100	Pi	Ø10	1/4-28 UNF	14	30	70+	70+	70+	70+	92.70	84.98	77.25	69.53	
<b>X2Y (Balanced Line) Filters</b>																		
843-SFJEB2000103MX1	SFJEB2000103MX1	G	.0100	200	X2Y	Ø9.8	1/4-28 UNF	--	--	--	--	--	--	88.05	80.71	73.38	66.04	
843-SFJEB2000104MX1	SFJEB2000104MX1	G	.1000	200	X2Y	Ø9.8	1/4-28 UNF	--	--	--	--	--	--	89.43	81.98	74.53	67.07	
<b>Solder-In Panel Mount Filters</b>																		
843-SFSRC0500103ZX0	SFSRC0500103ZX0	H	.0100	50	C	Ø3.2	ø2.8	--	--	4	22	41	60	70+	20.70	18.98	17.25	15.18
843-SFSTC5000222MX0	SFSTC5000222MX0	H	.0022	500	C	Ø4.0	ø3.25	--	--	--	10	30	50	70+	17.97	16.47	14.98	13.18
843-SFSTC3000333MX0	SFSTC3000333MX0	H	.0330	300	C	Ø4.0	ø3.25	--	--	13	33	48	68	70+	21.36	19.58	17.80	15.66
843-SFSUC5000103MX0	SFSUC5000103MX0	H	.0100	500	C	Ø6.5	ø5.6	--	--	4	22	41	60	70+	23.58	21.62	19.65	17.29
843-SFSUC5000223MX0	SFSUC5000223MX0	H	.0220	500	C	Ø6.5	ø5.6	--	--	10	29	46	65	70+	20.55	18.84	17.13	15.07

## EMI POWER FILTERS

Utilising plastic film technology, which offers the advantage of being self-healing, the "SL" range includes high ac and dc working voltage options along with parts designed and tested to meet the rigorous demands of EN132400/EN60950 safety specifications.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Value (nF)	Rated Voltage (DC)	Circuit	Rated Current (A)	Mounting	Thread Size	Typical no-load insertion loss when measured in a 50Ω system							Price Each		
									10kHz	30kHz	100kHz	1MHz	10MHz	100MHz	1GHz	1	5	10
843-SLGNC6000804M11	SLGNC6000804M11	I	800	600	C	100	M16x1	M4	-	12	22	42	50	82	90+	142.50	114.00	105.45
843-SLGNC4000205M11	SLGNC4000205M11	I	2000	400	C	100	M16x1	M4	-	20	30	50	58	90+	90+	142.50	114.00	105.45
843-SLDLC0630146M11	SLDLC0630146M11	J	14000	63	C	32	M12x1	M6	27	37	47	63	87	90+	90+	142.50	114.00	105.45

NEW AT MOUSER

EMI Suppression

Syfer

NEW AT MOUSER

NEW AT MOUSER

NEW AT MOUSER