

TUSONIX EMI Filters and Feedthru Capacitors

RoHS Compliant This product is RoHS compliant.

TUSONIX

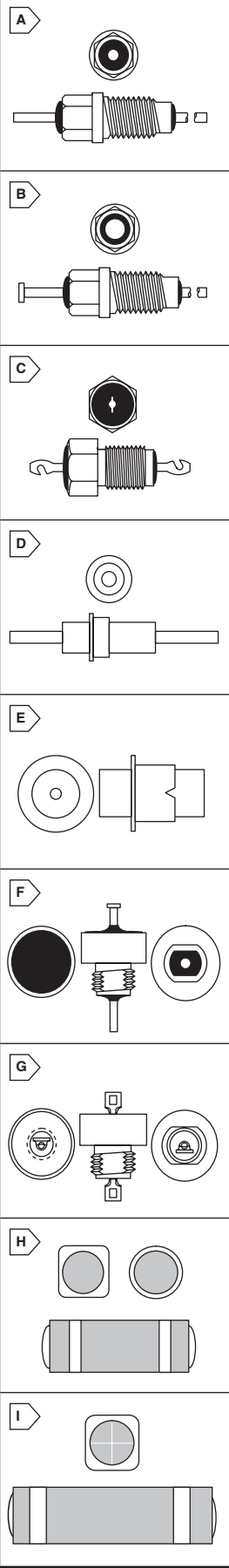
A Subsidiary of CTS Electronic Components

THREADED FILTERS AND FEED-THROUGH CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Ckt	Thread	Hex Size	Working Voltage (DC) @ 125°C	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.							1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800-4201-003LF	A	Pi	8-32 UNC-2A	.187	100	2,000	--	5	38	63	70	11.38	9.75	8.13	
800-4201-050LF	A	Pi	8-32 UNC-2A	.187	100	5,500	--	14	55	70	70	9.87	8.45	7.08	
800-4201-051LF	A	Pi	8-32 UNC-2A	.187	100	5,500	--	14	55	70	70	7.84	6.53	5.88	
800-4201-053LF	A	Pi	8-32 UNC-2A	.187	100	5,500	--	14	55	70	70	7.84	6.53	5.88	
800-4251-004LF	A	Pi	8-32 UNC-2A	.187	100	28,000	10	38	75	75	75	22.89	19.08	17.17	
800-4404-003LF	A	C	8-32 UNC-2A	.187	100	100,000	20	38	47	65	--	14.44	12.03	10.83	
800-4202-000LF	A	Pi	12-32 UNEF-2A	.250	200	1,500	--	5	45	70	70	13.22	11.32	9.44	
800-4202-001LF	A	Pi	12-32 UNEF-2A	.250	200	1,500	--	5	45	70	70	10.40	8.91	7.43	
800-4203-003LF	A	Pi	12-32 UNEF-2A	.187	200	1,500	--	5	45	70	70	7.60	6.33	5.70	
800-4202-004LF	A	Pi	12-32 UNEF-2A	.250	350	2,500	--	5	50	70	70	8.04	6.70	6.03	
800-4203-053LF	A	Pi	12-32 UNEF-2A	.187	100	5,000	--	20	65	70	70	7.60	6.33	5.70	
800-4253-001LF	B	Pi	12-32 UNEF-2A	.187	100	25,000	--	30	65	70	70	22.88	19.07	17.16	
800-4253-002LF	A	Pi	12-32 UNEF-2A	.187	70	50,000	--	60	75	75	75	42.87	35.73	32.15	
800-4401-000LF	A	C	12-28 UNF-2A	.250	200	100	--	--	3	20	28	9.63	8.03	7.22	
800-4202-021LF	A	Pi	12-28 UNF-2A	.250	200	1,500	--	5	45	70	70	12.71	10.89	9.08	
800-4204-001LF	A	Pi	12-28 UNF-2A	.250	200	1,500	--	5	45	70	70	11.32	9.70	8.88	
800-4202-053LF	A	Pi	12-28 UNF-2A	.250	100	5,000	--	20	65	70	70	10.53	8.77	7.89	
800-4204-051LF	A	Pi	12-28 UNF-2A	.250	100	5,000	--	20	65	70	70	10.92	9.10	8.19	
800-4206-006LF	C	Pi	5/16-32 UNEF-2A	.375	500	3000	--	10	55	70	70	14.49	12.41	12.31	
Metric Thread															
800-4400-683LF	A	C	M3 X 0.5-6g	.157	200	5	--	--	--	--	--	8.58	7.35	6.13	
800-4400-076LF	A	C	M3 X 0.5-6g	.157	200	100	--	--	3	20	28	7.11	6.08	5.54	
800-4400-096LF	A	C	M3 X 0.5-6g	.157	200	470	--	--	15	35	40	7.25	6.04	5.44	
800-4400-091LF	A	C	M3 X 0.5-6g	.157	200	1,000	--	--	5	20	35	45	7.56	6.30	5.67
800-4400-095LF	A	C	M3 X 0.5-6g	.157	200	1,000	--	--	5	20	35	45	7.11	6.08	5.54
800-4400-097LF	A	C	M3 X 0.5-6g	.157	100	2,700	--	--	10	25	40	50	6.92	5.93	5.50
800-4400-094LF	A	C	M3 X 0.5-6g	.157	100	4,700	--	--	15	30	45	55	10.13	8.68	8.28
800-4400-093LF	A	C	M3 X 0.5-6g	.157	50	10,000	4	20	35	50	50	6.52	5.43	4.89	
800-4400-098LF	A	C	M3 X 0.5-6g	.157	50	27,000	10	28	42	55	60	10.76	8.97	8.07	
800-4400-099LF	A	C	M3 X 0.5-6g	.157	50	50,000	15	35	45	70	--	10.93	9.37	7.80	
800-4209-053LF	B	Pi	M5 X 0.8-6g	.187	100	5,500	--	--	20	65	70	70	7.35	6.30	5.25
800-4209-003LF	B	Pi	M5 X 0.8-6g	.187	200	1,500	--	--	20	65	70	70	10.96	9.39	8.65

Tusonix EMI Suppression



EMI FEEDTHRU FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Dia.	AWG	Thread	Hex Size	Working Voltage (DC)	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.									1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800-240400X5U0102PLF	D	C	0.23	16	--	--	500@85°C	1,000	--	3	20	35	40	4.71	3.93	3.53	
800-240414X5U0102PLF	--	C	0.23	--	--	--	500@85°C	1,000	--	3	20	35	40	1.71	1.43	1.28	
800-24610X7V0102PLF	E	C	0.17	--	--	--	100@125°C	1,000	--	3	20	35	40	.83	.71	.59	
800-24611X7V0102PLF	E	C	0.17	--	--	--	100@125°C	1,000	--	--	--	--	--	1.44	1.20	1.08	
800-24610X7V0152PLF	E	C	0.17	--	--	--	100@125°C	1,500	--	--	--	--	--	2.00	1.76	1.57	
800-24251X5U0101AALF	B	C	--	--	8-32 UNC-2A	0.187	100@125°C	100	--	--	--	--	--	12.37	10.31	9.28	
800-24251X5U0102AALF	B	C	--	--	8-32 UNC-2A	0.187	100@125°C	1,000	--	--	--	--	--	13.00	10.83	9.75	
800-24251X5U0152AALF	B	C	--	--	8-32 UNC-2A	0.187	100@125°C	1,500	--	--	--	--	--	13.95	11.62	10.46	
800-2425601X5W103ZLF	A	C	--	--	8-32 UNC-2A	0.187	100@125°C	10,000	--	--	--	--	--	10.78	9.24	7.70	
800-24993X5S0102MLF	A	C	--	--	12-28 UNF-2A	0.25	500@85°C	1,000	--	--	--	--	--	7.05	5.88	5.29	
800-24993X5S0152MLF	A	C	--	--	12-28 UNF-2A	0.25	500@85°C	1,500	--	--	--	--	--	7.12	5.94	5.34	
800-24993X5W0103ZLF	A	C	--	--	12-28 UNF-2A	0.25	500@85°C	10,000	--	--	--	--	--	7.34	6.12	5.50	

COAXIAL BROADBAND FILTER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Thread	Working Voltage (DC) @ 125°C	Capacitance (pF)	Current (A)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.							1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800-4600-000LF	F	C	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70	25.08	20.90	18.81	
800-4601-000LF	G	C	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70	34.24	28.53	25.68	
800-4600-050LF	F	L	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70	25.66	21.38	19.24	
800-4601-050LF	G	L	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70	35.25	29.37	26.43	
800-4601-052LF	G	L	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70	37.31	31.09	27.98	
800-4600-009LF	F	C	1/4-28 UNF-2A	200dc/125ac	.15µF	--	7	15	25	40	60	34.30	28.59	25.73	
800-4600-053LF	F	L	1/4-28 UNF-2A	50	1.4µF	15	25	34	44	60	70	54.75	45.62	41.06	
800-4600-054LF	F	L	1/4-28 UNF-2A	50	1.4µF	15	25	34	44	60	70	51.82	43.18	38.86	
800-4601-054LF	G	L	1/4-28 UNF-2A	50	1.4µF	15	25	34	44	60	70	62.45	52.04	46.84	

EMI/RFI SURFACE MOUNT PI & C FILTERS FOR SMT APPLICATIONS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Working Voltage (DC) @ 85°C	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220			Price Each		
Mfr.	Mfr. Part No.					10MHz	100MHz	1GHz	1	10	50
800-4700-006LF	H	Pi	100	100	--	3	16	2.30	1.96	1.91	
800-4702-000LF	H	C	100	100	--	1	19	2.48	2.13	1.87	
800-4700-009LF	H	Pi	100	470	1	16	40	2.05	1.75	1.70	
800-4700-005LF	H	Pi	100	1000	7	40	65	2.30	1.96	1.91	
800-4700-003LF	H	Pi	100	2000	10	45	70	1.29	1.08	.97	
800-4700-008LF	H	Pi	100	4000	13	52	70	1.23	1.02	.92	
800-4702-005LF	H	C	100	4000	15	30	45	2.48	2.13	1.87	
800-4701-002LF	I	Pi	100	6800	16	60	70	2.33	1.98	1.85	
800-4701-001LF	I	Pi	100	8200	20	65	70	2.30	1.96	1.83	
800-4700-056LF	H	C	100	--	15	55	70	2.41	2.06	2.00	

ENGINEER'S DESIGN KITS

NEW PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Quantity	Value Range	Voltage Range	Termination Style	Price Each
Mfr.	Mfr. Part No.						
800-SK2000-900	-	-	5 each of 9 P/N	47 pF to 10000 pF	100 V to 500 V	Axial	65.00
800-SK4000-900	-	-	5 each of 12 P/N	5 pF to 50000 pF	50 V to 350 V	Axial	65.00
800-SK4000-901	-	-	5 each of 10 P/N	5 pF to 50000 pF	50 V to 500 V	Axial	65.00
800-SK4000-903	-	-	5 each of 12 P/N	5 pF to 27000 pF	50 V to 300 V	Axial	65.00
800-SK4700-900	-	-	5 each of 10 P/N	100 pF to 8200 pF	100 V	SMT	65.00