

SYFER EMI Filters



This product is RoHS compliant.



SMD EMI FILTERS

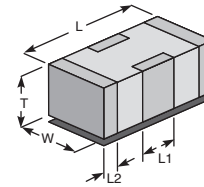
3 Terminal EMI Chips (E01 Range)

These 3 terminal chips are ideally suited for EMI suppression in digital circuits and other signal lines, and are available in 0805, 1206 and 1806 size. While the signal or dc current passes directly through the EMI chip, unwanted is suppressed by the grounding of the high frequency component.

COG and X7R dielectric types are available, providing capacitance values from 22pF to 200nF.

Specifications:

- Tolerance: 20%
- Temperature Rating: E01: -25°C to 125°C
E07: -25°C to 85°C
- Current Rating: E01: 300mA
E07: 1A/2A
- Insulation Resistance: 100G Ohms or 1000S (whichever is less)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value	Volt (DC)	Dielectric	Termination	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
0603 Case Code										
843	—0603J0250183MX1	.018µF	25	C0G	Matte Tin	1.13	.60	.40	4000	.298
843	—0603J0250391MC1	390pF	25	C0G	Matte Tin	1.26	.68	.45	4000	.333
843	—0603J0500123MX1	.012µF	50	X7R	Matte Tin	1.09	.58	.39	4000	.288
843	—0603J0500560MC1	56pF	50	C0G	Matte Tin	1.01	.54	.36	4000	.268
0805 Case Code										
843	—0805J0500223MX	.022µF	50	X7R	Matte Tin	1.02	.54	.36	3000	.268
843	—0805J0500473MX1	.047µF	50	X7R	Matte Tin	.89	.64	.54	3000	.385
843	—0805J1000102MX	1000pf	100	X7R	Matte Tin	.83	.45	.30	3000	.22
843	—0805J1000103MX	.01µF	100	X7R	Matte Tin	.96	.51	.34	3000	.253
843	—0805J1000221MC	220pF	100	C0G	Matte Tin	1.11	.59	.40	3000	.292
843	—0805J1000222MX1	2200pF	100	X7R	Matte Tin	.74	.53	.45	3000	.32
843	—0805J1000470MC1	47pF	100	C0G	Matte Tin	.75	.54	.46	3000	.328
843	—0805J1000471MC	470pF	100	C0G	Matte Tin	1.20	.65	.43	3000	.318
843	—0805J1000472MX1	4700pF	50	X7R	Matte Tin	.74	.53	.45	3000	.32
843	—0805Y0500101MC1	100pF	50	C0G	FlexiCap	1.03	.74	.63	3000	.448
843	—0805Y0500222MX1	.0022µF	100	X7R	FlexiCap	1.23	.66	.44	3000	.326
843	—0805Y1000102MX	.001µF	100	X7R	FlexiCap	.90	.48	.32	3000	.238
843	—0805Y1000222MX1	.0022µF	50	X7R	FlexiCap	1.90	1.02	.68	3000	.501
1206 Case Code										
843	—1206J0500104MX	.1µF	50	X7R	Matte Tin	1.47	.79	.53	2500	.389
843	—1206J0500223MX1	.022µF	100	X7R	Matte Tin	1.30	.69	.46	2500	.342
843	—1206J1000101MC1	100pF	100	C0G	Matte Tin	1.09	.78	.66	2500	.473
843	—1206J1000102MC	.001µF	100	C0G	Matte Tin	1.51	.81	.54	2500	.398
843	—1206J1000103MX	.01µF	100	X7R	Matte Tin	1.16	.62	.42	2500	.307
843	—1206J1000220MC	22pF	100	C0G	Matte Tin	1.26	.68	.45	2500	.333
843	—1206J1000471MC	470pF	100	C0G	Matte Tin	1.45	.78	.52	2500	.383
843	—1206J1000472MX	4700pF	100	X7R	Matte Tin	1.16	.62	.42	2500	.307
843	—1206Y1000104MX1	.1µF	100	X7R	FlexiCap	2.94	1.57	1.05	2500	.776
1806 Case Code										
843	—1806J0500222MX1	.0022µF	50	X7R	Matte Tin	1.22	.88	.74	2500	.53
843	—1806J1000222MC	.0022µF	100	C0G	Matte Tin	2.35	1.26	.84	2500	.622
843	—1806J1000471MC1	470pF	100	C0G	Matte Tin	1.69	1.22	1.03	2500	.735
843	—1806Y1000683MX1	.068µF	100	X7R	FlexiCap	5.23	2.80	1.87	2500	1.38

Dimensions: mm					
Case Size	L	W	T	L1	L2
0603	1.6±0.2	0.8±0.2	0.5±0.15	0.3±0.2	0.2±0.1
0805	2.0±0.3	1.25±0.2	1.0±0.15	0.60±0.2	0.3±0.15
1206	3.2±0.3	1.6±0.2	1.1±0.2	0.95±0.3	0.5±0.25
1806	4.5±0.35	1.6±0.2	1.1±0.2	1.4±0.3	0.5±0.25

High Current EMI Chips (E07 Range)

The high current 3 terminal chips are an extension to the Syfer 3 terminal EMI chip range, and are capable of carrying currents up to 2A.

Suitable for use on DC lines on PCB's, they can prevent the radiation of interference emanating from high speed signal lines and IC's and also prevent the propagation of high frequency noise on power lines. Improved high frequency filtering performance is offered as a result of the DC current fed directly through the EMI chip.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value	Volt (DC)	Dielectric	Termination	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
0805 Case Code										
843	—0805J1000332MX	.003µF	100	X7R	Matte Tin	1.39	.74	.50	3000	.366
843	—0805Y0500223MX7	.022µF	50	X7R	FlexiCap	1.69	.90	.60	3000	.446
843	—0805Y0500473MX7	.047µF	50	X7R	FlexiCap	1.60	.86	.57	3000	.422
843	—0805Y1000102MX7	.001µF	100	X7R	FlexiCap	1.24	.67	.44	3000	.302
843	—0805Y1000222MX7	.0022µF	100	X7R	FlexiCap	1.27	.68	.45	3000	.309
1206 Case Code										
843	—1206J0500223MX	.022µF	50	X7R	Matte Tin	1.53	.82	.55	2500	.405
843	—1206Y1000103MX7	.01µF	100	X7R	FlexiCap	2.70	1.44	.96	2500	.713
1806 Case Code										
843	—1806Y0500224MX7	.22µF	50	X7R	FlexiCap	5.48	2.94	1.96	2500	1.45
843	—1806Y1000333MX	.033µF	100	X7R	FlexiCap	2.24	1.20	.80	2500	.592

EMI Suppression

Syfer