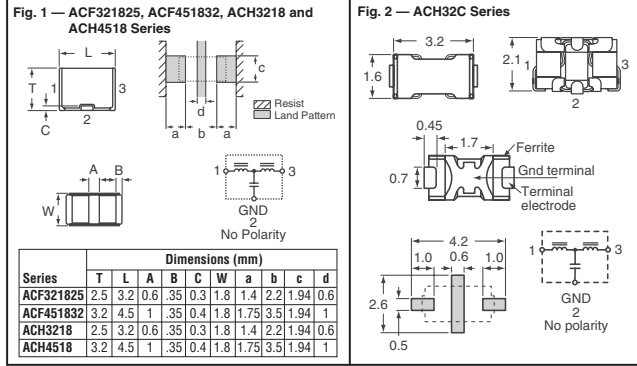




3-Terminal Filters for Signal Line and DC Power Line / SMD – ACF and ACH Series

Features: • The ACF and ACH series are T-type EMC filters incorporating ferrite chip beads and multilayer ceramic chip capacitors. • The external structure consists entirely of ferrite, enabling these parts to achieve superior attenuation characteristics despite their extremely compact dimensions. • Because they can be mounted on edge, the ACF and ACH series are ideal for high-density circuit configurations.

Dimensions in mm



Attenuation Frequency (MHz) Max.	I Max. (A)	Rdc Max. (Ω)	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel Pricing* 1,000	TDK Part No.
				1	10	50		
Fig. 1 - ACF321825 Series, Operating Temperature -25°C - 85°C								
17	0.3	0.15	445-2059-1-ND	.37	3.18	14.68	171.30	ACH321825-223-TD01
27	0.3	0.15	445-2060-1-ND	.37	3.18	14.68	171.30	ACH321825-103-TD01
37	0.3	0.15	445-2061-1-ND	.37	3.18	14.68	171.30	ACH321825-682-TD01
45	0.3	0.15	445-2062-1-ND	.37	3.18	14.68	171.30	ACH321825-472-TD01
55	0.3	0.15	445-2063-1-ND	.37	3.18	14.68	171.30	ACH321825-332-TD01
65	0.3	0.15	445-2064-1-ND	.37	3.18	14.68	171.30	ACH321825-222-TD01
80	0.3	0.15	445-2065-1-ND	.37	3.18	14.68	171.30	ACH321825-152-TD01
100	0.3	0.15	445-2066-1-ND	.37	3.18	14.68	171.30	ACH321825-102-TD01
120	0.3	0.15	445-2067-1-ND	.37	3.18	14.68	171.30	ACH321825-681-TD01
145	0.3	0.15	445-2068-1-ND	.37	3.18	14.68	171.30	ACH321825-471-TD01
165	0.3	0.15	445-2069-1-ND	.37	3.18	14.68	171.30	ACH321825-331-TD01
200	0.3	0.15	445-2070-1-ND	.37	3.18	14.68	171.30	ACH321825-221-TD01
240	0.3	0.15	445-2071-1-ND	.37	3.18	14.68	171.30	ACH321825-151-TD01
300	0.3	0.15	445-2072-1-ND	.37	3.18	14.68	171.30	ACH321825-101-TD01
370	0.3	0.15	445-2073-1-ND	.37	3.18	14.68	171.30	ACH321825-680-TD01
450	0.3	0.15	445-2074-1-ND	.37	3.18	14.68	171.30	ACH321825-470-TD01
530	0.3	0.15	445-2075-1-ND	.37	3.18	14.68	171.30	ACH321825-330-TD01
650	0.3	0.15	445-2076-1-ND	.37	3.18	14.68	171.30	ACH321825-220-TD01
Fig. 1 - ACF451832 Series, Operating Temperature -25°C - 85°C								
12	0.3	0.15	445-2077-1-ND	.44	3.82	17.62	205.57	ACH451832-333-TD01
15	0.3	0.15	445-2078-1-ND	.44	3.82	17.62	205.57	ACH451832-223-TD01
18	0.3	0.15	445-2079-1-ND	.44	3.82	17.62	205.57	ACH451832-153-TD01
23	0.3	0.15	445-2080-1-ND	.44	3.82	17.62	205.57	ACH451832-103-TD01
35	0.3	0.15	445-2081-1-ND	.44	3.82	17.62	205.57	ACH451832-682-TD01
40	0.3	0.15	445-2082-1-ND	.44	3.82	17.62	205.57	ACH451832-472-TD01
50	0.3	0.15	445-2083-1-ND	.44	3.82	17.62	205.57	ACH451832-332-TD01
60	0.3	0.15	445-2084-1-ND	.44	3.82	17.62	205.57	ACH451832-222-TD01
75	0.3	0.15	445-2085-1-ND	.44	3.82	17.62	205.57	ACH451832-152-TD01
90	0.3	0.15	445-2086-1-ND	.44	3.82	17.62	205.57	ACH451832-102-TD01
105	0.3	0.15	445-2087-1-ND	.44	3.82	17.62	205.57	ACH451832-681-TD01
125	0.3	0.15	445-2088-1-ND	.44	3.82	17.62	205.57	ACH451832-471-TD01
150	0.3	0.15	445-2089-1-ND	.44	3.82	17.62	205.57	ACH451832-331-TD01
190	0.3	0.15	445-2090-1-ND	.44	3.82	17.62	205.57	ACH451832-221-TD01
230	0.3	0.15	445-2091-1-ND	.44	3.82	17.62	205.57	ACH451832-151-TD01
280	0.3	0.15	445-2092-1-ND	.44	3.82	17.62	205.57	ACH451832-101-TD01
340	0.3	0.15	445-2093-1-ND	.44	3.82	17.62	205.57	ACH451832-680-TD01
410	0.3	0.15	445-2094-1-ND	.44	3.82	17.62	205.46	ACH451832-470-TD01
500	0.3	0.15	445-2095-1-ND	.44	3.82	17.62	205.57	ACH451832-330-TD01
600	0.3	0.15	445-2096-1-ND	.44	3.82	17.62	205.57	ACH451832-220-TD01
Fig. 1 - ACH3218 Series, Operating Temperature -25°C - 85°C								
17	1.5	0.06	445-2097-1-ND	.37	3.18	14.68	171.30	ACH3218-223-TD01
27	1.5	0.06	445-2098-1-ND	.37	3.18	14.68	171.30	ACH3218-103-TD01
37	1.5	0.06	445-2099-1-ND	.37	3.18	14.68	171.30	ACH3218-682-TD01
45	1.5	0.06	445-2100-1-ND	.37	3.18	14.68	171.30	ACH3218-472-TD01
55	1.5	0.06	445-2101-1-ND	.37	3.18	14.68	171.34	ACH3218-332-TD01
65	1.5	0.06	445-2102-1-ND	.37	3.18	14.68	171.30	ACH3218-222-TD01
80	1.5	0.06	445-2103-1-ND	.37	3.18	14.68	171.30	ACH3218-152-TD01
100	1.5	0.06	445-2104-1-ND	.37	3.18	14.68	171.30	ACH3218-102-TD01
120	1.5	0.06	445-2105-1-ND	.37	3.18	14.68	171.30	ACH3218-681-TD01
145	1.5	0.06	445-2106-1-ND	.37	3.18	14.68	171.30	ACH3218-471-TD01
165	1.5	0.06	445-2107-1-ND	.37	3.18	14.68	171.30	ACH3218-331-TD01
200	1.5	0.06	445-2108-1-ND	.37	3.18	14.68	171.30	ACH3218-221-TD01
240	1.5	0.06	445-2109-1-ND	.37	3.18	14.68	171.34	ACH3218-151-TD01
300	1.5	0.06	445-2110-1-ND	.37	3.18	14.68	171.30	ACH3218-101-TD01
370	1.5	0.06	445-2111-1-ND	.37	3.18	14.68	171.30	ACH3218-680-TD01
450	1.5	0.06	445-2112-1-ND	.37	3.18	14.68	171.30	ACH3218-470-TD01
530	1.5	0.06	445-2113-1-ND	.37	3.18	14.68	171.30	ACH3218-330-TD01
650	1.5	0.06	445-2114-1-ND	.37	3.18	14.68	—	ACH3218-220-TD01
Fig. 1 - ACH4518 Series, Operating Temperature -25°C - 85°C								
12	2	0.04	445-2115-1-ND	.44	3.82	17.62	205.57	ACH4518-333-TD01
15	2	0.04	445-2116-1-ND	.44	3.82	17.62	205.57	ACH4518-223-TD01
18	2	0.04	445-2117-1-ND	.44	3.82	17.62	205.57	ACH4518-153-TD01
23	2	0.04	445-2118-1-ND	.44	3.82	17.62	205.57	ACH4518-103-TD01

Attenuation Frequency (MHz) Max.	I Max. (A)	Rdc Max. (Ω)	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel Pricing* 1,000	TDK Part No.
				1	10	50		
35	2	0.04	445-2119-1-ND	.44	3.82	17.62	205.57	ACH4518-682-TD01
40	2	0.04	445-2120-1-ND	.44	3.82	17.62	205.57	ACH4518-472-TD01
50	2	0.04	445-2121-1-ND	.44	3.82	17.62	205.57	ACH4518-332-TD01
60	2	0.04	445-2122-1-ND	.44	3.82	17.62	205.57	ACH4518-222-TD01
75	2	0.04	445-2123-1-ND	.44	3.82	17.62	205.57	ACH4518-152-TD01
90	2	0.04	445-2124-1-ND	.44	3.82	17.62	205.57	ACH4518-102-TD01
105	2	0.04	445-2125-1-ND	.44	3.82	17.62	205.57	ACH4518-681-TD01
125	2	0.04	445-2126-1-ND	.44	3.82	17.62	205.57	ACH4518-471-TD01
150	2	0.04	445-2127-1-ND	.44	3.82	17.62	205.46	ACH4518-331-TD01
190	2	0.04	445-2128-1-ND	.44	3.82	17.62	205.57	ACH4518-221-TD01
230	2	0.04	445-2129-1-ND	.44	3.82	17.62	—	ACH4518-151-TD01
280	2	0.04	445-2130-1-ND	.44	3.82	17.62	205.57	ACH4518-101-TD01
340	2	0.04	445-2131-1-ND	.44	3.82	17.62	205.57	ACH4518-680-TD01
410	2	0.04	445-2132-1-ND	.44	3.82	17.62	205.57	ACH4518-470-TD01
500	2	0.04	445-2133-1-ND	.44	3.82	17.62	205.57	ACH4518-330-TD01
600	2	0.04	445-2134-1-ND	.44	3.82	17.62	205.57	ACH4518-220-TD01

* For Tape and Reel part number, change 1-ND to 2-ND.

Guaranteed Frequency Bandwidth (MHz)	Guaranteed Attenuation (dB)	I Max. (A)	Rdc Max. (mΩ)	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel Pricing* 2,000	TDK Part No.
					1	10	50		
Fig. 2 - ACH32C Series, Operating Temperature -40°C - 125°C									
3.5 - 150	-25	6	2	445-2988-1-ND	.41	3.54	16.35	190.94/M	ACH32C-104-T
10 - 300	-25	6	2	445-2997-1-ND	.41	3.54	16.35	190.94/M	ACH32C-333-T
30 - 300	-25	6	2	445-2996-1-ND	.41	3.54	16.35	190.94/M	ACH32C-103-T
55 - 300	-25	6	2	445-2995-1-ND	.41	3.54	16.35	190.94/M	ACH32C-222-T
100 - 500	-25	6	2	445-2994-1-ND	.41	3.54	16.35	190.94/M	ACH32C-102-T
200 - 800	-25	6	2	445-2993-1-ND	.41	3.54	16.35	190.94/M	ACH32C-331-T
450 - 1300	-20	6	2	445-2992-1-ND	.41	3.54	16.35	190.94/M	ACH32C-101-T
650 - 2500	-15	6	2	445-2991-1-ND	.41	3.54	16.35	190.94/M	ACH32C-470-T
1300 - 2500	-15	6	2	445-2990-1-ND	.41	3.54	16.35	190.94/M	ACH32C-220-T
2000 - 5500	-15	6	2	445-2989-1-ND	.41	3.54	16.35	190.94/M	ACH32C-100-T

* For Tape and Reel part number, change 1-ND to 2-ND.

3-Terminal Filters for Signal Line / SMD – MEM2012T Series



Features: • Multilayer chip EMC filter utilizing a T-type circuit. • Entirely monolithic structure results in high reliability. • Due to closed magnetic circuit architecture, high-density installation becomes possible and crosstalk generation is prevented. • Steep attenuation characteristic plot. Highly effective noise suppression. • Covers a wide range of frequencies. • Operating Temperature Range: -40°C - 85°C

Dimensions in mm

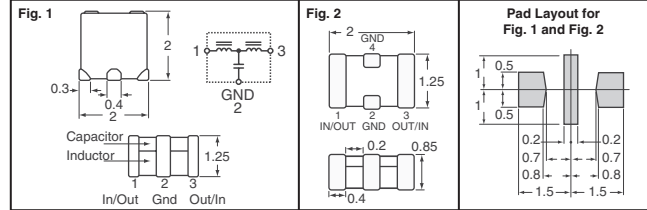


Fig.	Cut-off Freq. (MHz)	I Max. (A)	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel Qty.	Tape and Reel Pricing*	TDK Part No.
				1	10	50			
1	10	0.1	445-2135-1-ND	.19	1.66	7.64	1,000	MEM2012T10R0	
	25	0.15	445-2136-1-ND	.19	1.66	7.64	1,000	MEM2012T25R0	
	50	0.15	445-2137-1-ND	.19	1.66	7.64	1,000	MEM2012T50R0	
	75	0.25	445-2138-1-ND	.37	3.18	14.68	1,000	MEM2012T75R0	
	100	0.25	445-2139-1-ND	.19	1.66	7.64	1,000	MEM2012T101R	
2	25	0.1	445-3357-1-ND	.18	1.58	7.27	4,000	MEM2012T25R0T0S1	
	35	0.1	445-3358-1-ND	.18	1.58	7.27	4,000	84.95/M	
	50	0.1	445-3359-1-ND	.18	1.58	7.27	4,000	84.95/M	
	100	0.25	445-3360-1-ND	.18	1.58	7.27	4,000	84.95/M	
	200	0.25	445-3361-1-ND	.18	1.58	7.27	4,000	84.95/M	

* For Tape and Reel part number, change 1-ND to 2-ND.

3-Terminal Filters for Signal Line / SMD – MEM2012D Series



