

Capacitive Filters - continued

Pi-Section – 4101 & 4209 Series



Solder mount 106-775 106-776 Body length=10.3, Bush mount 106-777 106-778 Body length=12.3,
 Body diameter=4.95, Max height above panel=7.9, Body diameter=6.35, Thread=M5 x 0.8, Max
 Max height below panel= 10.3 (106-775) 18.0 height above panel=9.5, Max height below pan-
 (106-776), Mounting hole dia.=4.0 el=23.4, Mounting hole dia.=5.1

- Pi-section suppression filters in both chassis and solder mount styles
- Combines a ceramic capacitor with a ferrite inductor
- Can be used to suppress unwanted EMI/RFI in a wide range of applications where a high insertion loss is required from 10MHz to 10GHz

Current Rating 10A Operating Temperature -55°C to +125°C °C°C

Solder Mount

Capacitance pF (min)	Voltage Rating		Attenuation dB (50Ω System)				Mftrs.	
	85°C	125°C	10MHz	100MHz	1GHz	10GHz	List No.	Order Code
1500	350	200	5	45	70	70	4101-001LF	118-6424
5500	140	70	15	55	70	70	4101-008LF	118-6426

Chassis Mount

Capacitance pF (min)	Voltage Rating		Attenuation dB (50Ω System)				Mftrs.	
	85°C	125°C	10MHz	100MHz	1GHz	10GHz	List No.	Order Code
1500	350	200	5	45	70	70	4209-003LF	118-6427
5000	200	100	20	65	70	70	4209-053LF	118-6428

204235

pF	Order Code	Price Each			
		1+	10+	50+	100+
Solder Mount					
1500	118-6424	314.00	271.00	232.00	212.00
5500	118-6426	286.00	250.00	214.00	193.00
Chassis Mount					
1500	118-6427	347.00	297.00	255.00	232.00
5000	118-6428	357.00	312.00	262.00	224.00

3 Terminal PCB Filters

Standard



H=8, W=8, D=2.54, Lead Length=25,
 Lead pitch=2.5, Lead dia.=0.6

- Three terminal T-networks offer a lower residual inductance than that of standard two terminal capacitors
- Bypass capacitor provides a path for high frequency noise to earth and ensures excellent high frequency attenuation
- Typical applications include noise suppression in office equipment, computers, TV, VCR and automotive electronics
- Note: DSS types have ferrite beads on input and output leads

Rating	6A	Operating Temperature	Effective Frequency range (50Ω Series 20dB min) MHz	Voltage Rating dc	Ferrite Beads	Mftrs. List No.		Order Code
						Mftrs.	List No.	
47	±20%	800 to 1100	50	No	DSN6NC51H470Q55B	DSN6NC51H470Q55B	580-831	
100	±20%	600 to 1050	50	No	DSN6NC51H101Q55B	DSN6NC51H101Q55B	580-843	
100	±20%	600 to 1050	50	No	DSN6NC51H101Q55B	DSN6NC51H101Q55B	952-7354	
270	±20%	400 to 1000	50	No	DSN6NC51H271Q55B	DSN6NC51H271Q55B	580-855	
1000	±20%	90 to 1000	50	No	DSN6NC51H102Q55B	DSN6NC51H102Q55B	580-867	
1000	±20%	90 to 1000	50	No	DSN6NC51H102Q55B	DSN6NC51H102Q55B	952-7362	
2200	±20%	50 to 1000	50	No	DSN6NC51H222Q55B	DSN6NC51H222Q55B	580-879	
2200	±20%	50 to 1000	50	No	DSN6NC51H222Q55B	DSN6NC51H222Q55B	952-7370	
10000	+80% to -20%	8 to 1000	50	No	DSN6NZ81H103Q55B	DSN6NZ81H103Q55B	580-880	
10000	+80% to -20%	8 to 1000	50	No	DSN6NZ81H103Q55B	DSN6NZ81H103Q55B	952-7389	
22000	±50%	40 to 900	50	No	DSN9NC51H223Q55B	DSN9NC51H223Q55B	952-7400	
100000	+20% to -20%	0.8 to 1000	16	No	DSN9NC51C104Q55B	DSN9NC51C104Q55B	952-7397	
22	±20%	800 to 1100	100	Yes	DSS6NC52A220Q55B	DSS6NC52A220Q55B	580-892	
22	±20%	800 to 1100	100	Yes	DSS6NC52A220Q55B	DSS6NC52A220Q55B	952-7435	
47	±20%	400 to 1100	100	Yes	DSS6NC52A470Q55B	DSS6NC52A470Q55B	580-909	
47	±20%	400 to 1100	100	Yes	DSS6NC52A470Q55B	DSS6NC52A470Q55B	952-7460	
100	±20%	200 to 1050	100	Yes	DSS6NC52A101Q55B	DSS6NC52A101Q55B	108-261	
100	±20%	200 to 1050	100	Yes	DSS6NC52A101Q55B	DSS6NC52A101Q55B	952-7419	
220	±20%	110 to 1000	100	Yes	DSS6NC52A221Q55B	DSS6NC52A221Q55B	108-262	
220	±20%	110 to 1000	100	Yes	DSS6NC52A221Q55B	DSS6NC52A221Q55B	952-7443	
270	±20%	90 to 1000	100	Yes	DSS6NC52A271Q55B	DSS6NC52A271Q55B	580-910	
270	±20%	90 to 1000	100	Yes	DSS6NC52A271Q55B	DSS6NC52A271Q55B	952-7451	
270	+20% to -20%	90 to 1000	100	Yes	DSS9NC52A271Q55B	DSS9NC52A271Q55B	952-7540	
470	±20%	70 to 1000	100	Yes	DSS6NC52A471Q55B	DSS6NC52A471Q55B	580-922	
470	±20%	70 to 1000	100	Yes	DSS6NC52A471Q55B	DSS6NC52A471Q55B	952-7478	
1000	±20%	20 to 1000	100	Yes	DSS6NC52A102Q55B	DSS6NC52A102Q55B	108-263	
1000	±20%	20 to 1000	100	Yes	DSS6NC52A102Q55B	DSS6NC52A102Q55B	952-7427	
2200	+80% to -20%	10 to 1000	100	Yes	DSS6NE52A222Q55B	DSS6NE52A222Q55B	108-264	
2200	+80% to -20%	10 to 1000	100	Yes	DSS6NE52A222Q55B	DSS6NE52A222Q55B	952-7486	
2200	+20% to -20%	20 to 1100	250	Yes	DSS9HB32E222Q55B	DSS9HB32E222Q55B	952-7516	
2200	±20%	20 to 1000	100	Yes	DSS9NC52A222Q55B	DSS9NC52A222Q55B	952-7532	
10000	±30%	7 to 1000	100	Yes	DSS6NZ82A103Q55B	DSS6NZ82A103Q55B	108-265	
10000	±30%	7 to 1000	100	Yes	DSS6NZ82A103Q55B	DSS6NZ82A103Q55B	952-7508	
22000	+80% to -20%	2 to 1000	16	Yes	DSS6NF31C223Q55B	DSS6NF31C223Q55B	580-934	
22000	+80% to -20%	2 to 1000	16	Yes	DSS6NF31C223Q55B	DSS6NF31C223Q55B	952-7494	
22000	±50%	3 to 1000	50	Yes	DSS9NC51H223Q55B	DSS9NC51H223Q55B	952-7524	

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	Order Code	Price Each				
		5+	50+	100+	250+	+
47	580-831▲	28.00	23.00	20.00	18.00	--
100	580-843▲	28.00	23.00	20.00	18.00	--
100	952-7354●	28.00	23.00	20.00	18.00	--
270	580-855▲	28.00	23.00	19.00	17.00	--
1000	580-867▲	28.00	23.00	20.00	18.00	--
1000	952-7362●	28.00	23.00	20.00	18.00	--
2200	580-879▲	28.00	23.00	20.00	18.00	--
2200	952-7370●	28.00	23.00	20.00	18.00	--
10000	580-880▲	28.00	23.00	20.00	18.00	--
10000	952-7389●	28.00	23.00	20.00	18.00	--
100 Volt dc						
22	580-892▲	28.00	23.00	20.00	18.00	--
22	952-7435●	28.00	23.00	20.00	18.00	--
47	580-909▲	28.00	23.00	19.00	18.00	--
47	952-7460●	28.00	23.00	19.00	18.00	--
100	108-261▲	27.00	25.00	23.00	20.00	--
100	952-7419●	27.00	25.00	23.00	20.00	--
220	108-262▲	28.00	23.00	20.00	18.00	--
220	952-7443●	28.00	23.00	20.00	18.00	--
270	580-910▲	27.00	25.00	23.00	20.00	--
270	952-7451●	27.00	25.00	23.00	20.00	--
470	580-922▲	27.00	25.00	23.00	20.00	--
470	952-7478●	27.00	25.00	23.00	20.00	--
1000	108-263▲	27.00	25.00	23.00	20.00	--
1000	952-7427●	27.00	25.00	23.00	20.00	--
2200	108-264▲	27.00	25.00	23.00	20.00	--
2200	952-7486●	27.00	25.00	23.00	20.00	--
10000	108-265▲	27.00	25.00	23.00	20.00	--
10000	952-7508●	27.00	25.00	23.00	20.00	--
16 Volt dc						
22000	580-934▲	27.00	25.00	23.00	20.00	--
22000	952-7494●	27.00	25.00	23.00	20.00	--

W3F Series



- 1206 case size nickel barrier terminations
- Broad band RFI attenuation
- Ultra low inductance ground connection
- Supplied on tape



Capacitance pF	Volt dc	Tolerance %	Mftrs. List No.	Order Code
1000	50	+50-20	W3F15C1028AT1A	121-6396
2200	50	+50-20	W3F15C2228AT1A	121-6397
22000	50	+50-20	W3F15C2238AT1A	121-6398
22	100	+50-20	W3F11A2208AT1A	121-6400
47	100	+50-20	W3F11A4708AT1A	121-6401
100	100	+50-20	W3F11A1018AT1A	121-6402
220	100	+50-20	W3F11A2218AT1A	121-6403
470	100	+50-20	W3F11A4718AT1A	121-6404

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pF	Order Code	Price Each			
		5+	50+	100+	500+
50 Volt dc					
1000	SMD 121-6396●	33.00	30.00	26.00	21.00
2200	SMD 121-6397●	33.00	30.00	26.00	21.00
22000	SMD 121-6398●	33.00	30.00	26.00	21.00
100 Volt dc					
22	SMD 121-6400●	30.00	27.00	23.00	19.00
47	SMD 121-6401●	30.00	27.00	23.00	19.00
100	SMD 121-6402●	30.00	27.00	23.00	19.00
220	SMD 121-6403●	31.00	28.00	24.00	20.00
470	SMD 121-6404●	31.00	28.00	24.00	20.00

3 Terminal with Ferrite Beads

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