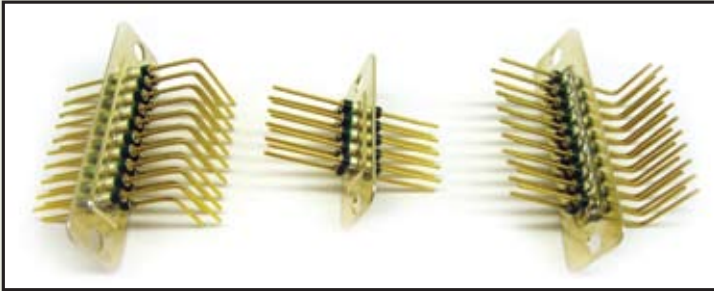




# Phoenix Filter Plates

*-Eliminate the need to assemble filters into a bulkhead*

## Product Description



Phoenix's Filter Plates provide an excellent method for electronic system interface and EMI/RFI filtering. Eliminating both conducted and radiated EMI/RFI, filter plates reduce cost, labor, and space on printed circuit boards and panels. Filter Plates are available in a variety of plate sizes and up to 60 pins per plate in standard density (.100").

## Features

- Filtering from 5 MHz to 1 GHz
- Utilizes tubular design that minimizes grounding inductance
- High surge capability / Low crosstalk for "C" type filter plate, Medium surge capability / Low crosstalk for "Pi" type
- Reduces the effects of surface currents
- Superior performance over surface mount filters above 50 MHz
- Mixed capacitance and circuits available
- Circuit board or panel mount
- "C" type and "Pi" type available
- Withstands lead-free reflow process

## Applications

- Telecommunications
- Medical
- Aerospace
- Test Systems
- Industrial
- Commercial

## Materials

<b>Plate Material:</b>	<b>Brass Alloy</b>	<b>Lead Plating:</b>	<b>Gold Plate</b>
<b>Plate Thickness:</b>	<b>.020 inches (0.51mm)</b>	<b>Current Rating:</b>	<b>5 Amps</b>
<b>Lead Material:</b>	<b>Copper Alloy</b>	<b>Plate Plating:</b>	<b>Silver</b>
<b>Lead Diameter:</b>	<b>Φ .025" (0.64mm)</b>		

The Phoenix Company of Chicago, Inc. • 555 Pond Drive, Wood Dale, IL 60191 USA

Tel: (630) 595-2300 • Fax: (630) 595-6579

[www.phoenixofchicago.com](http://www.phoenixofchicago.com)





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## Website Configurator

**Filter Plate Configurator**

Configuration

Plate Length:

Density:

Number of Rows:

Number of Capacitors Per Row:

Filter Circuits:

Capacitor Value:

Lead Configuration:

Ordering Part Number: **5010205 DAA**

First Article:

Production Order:

[Convert SCI part number to a Phoenix part number](#)

Enter SCI Product Number:

Visit [www.phoenixofchicago.com](http://www.phoenixofchicago.com) to build a Phoenix Filter Plate part number according to your specifications.

## Electrical

Filter Designation	Filter Circuits	Capacitance		3 dB Max Cut-off Frequency (MHz)*	Working Voltage DC -55°C to +125°C	Minimum Insertion Loss - Decibels (dB) 50 ohm system per MIL-STD-220 (no load)							
		Value	Tolerance			5 MHz	10 MHz	20 MHz	50 MHz	100 MHz	200 MHz	500 MHz	1 GHz
A	C	68 pF	±20%	77	400VDC-50VDC	—	—	—	—	—	3	10	16
B		100 pF	±20%	53	400VDC-50VDC	—	—	—	—	1	6	14	19
C		135 pF	+100/-0%	23	400VDC-50VDC	—	—	—	1	5	10	16	20
D		470 pF	±20%	11	400VDC-50VDC	—	—	2	7	13	19	25	27
E		820 pF	±20%	6	400VDC-50VDC	—	2	6	12	18	24	30	33
F		1000 pF	±20%	5	400VDC-50VDC	—	3	7	14	20	26	32	35
G		1500 pF	±20%	3.5	400VDC-50VDC	1	4	10	16	22	29	36	37
H		2500 pF	+100/-0%	1.3	400VDC-50VDC	5	11	17	23	29	35	38	40
I		4000 pF	+100/-0%	.8	400VDC-50VDC	9	15	21	27	34	38	42	46
J		Insulated	10 pF	Max.	635	400VDC-50VDC	—	—	—	—	—	—	—
K	Grounded Insert					—	—	—	—	—	—	—	
L	Pi	68 pF	±20%	65	200VDC-50VDC	—	—	—	—	1	6	17	23
M		100 pF	±20%	46	200VDC-50VDC	—	—	—	—	2	9	22	28
N		135 pF	+100/-0%	25	200VDC-50VDC	—	—	—	1	6	17	26	34
O		470 pF	±20%	11	200VDC-50VDC	—	—	—	9	18	22	36	43
P		820 pF	±20%	6	200VDC-50VDC	—	—	4	13	23	31	45	52
Q		1000 pF	±20%	5	200VDC-50VDC	—	2	7	16	24	36	51	59
R		1700 pF	+100/-0%	1.9	200VDC-50VDC	1	6	14	28	35	49	64	69
S		2500 pF	+100/-0%	1.3	200VDC-50VDC	4	9	16	28	41	54	70	70
T		5000 pF	+100/-0%	.7	200VDC-50VDC	9	15	28	41	53	66	70	70

\* 3dB cut-off frequency calculated at the maximum capacitance

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