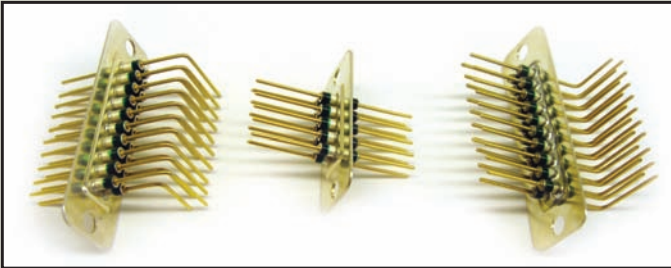




Phoenix Filter Plates

-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

Plate Material: Brass Alloy.

Plate Thickness: .020 inches (0.51mm).

Lead Material: Copper Alloy.

Lead Diameter: Φ .025" (0.64mm).

Lead Plating: Gold Plate.

Current Rating: 5 Amps.

Plate Plating: Silver.

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

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www.phoenixofchicago.com



The Phoenix Company of Chicago and its affiliates have manufacturing facilities in the United States, Mexico, and China.



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Website Configurator

Visit www.phoenixofchicago.com to build a Phoenix Filter Plate part number according to your specifications.

Filter Plate Configurator

Configuration

Plate Length:

Density:

Number of Rows:

Number of Capacitors Per Row:

Filter Circuits:

Capacitor Value:

Lead Configuration:

Ordering Part Number: **5010205DAA**

First Article:

Production Order:

Convert Spectrum Control Inc. part number to a Phoenix part number

Enter Spectrum Control Inc. Product Number:

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	100V	—	—	—	—	—	3	10	16
B		100 pF	±20%	53	100V	—	—	—	—	1	6	14	19
C		135 pF	+100/-0%	23	100V	—	—	—	1	5	10	16	20
D		470 pF	±20%	11	100V	—	—	2	7	13	19	25	27
E		820 pF	±20%	6	100V	—	2	6	12	18	24	30	33
F		1000 pF	±20%	5	100V	—	3	7	14	20	26	32	35
G		1500 pF	±20%	3.5	100V	—	—	—	—	—	—	—	—
H		2500 pF	+100/-0%	1.3	100V	—	—	—	—	—	—	—	—
I		4000 pF	+100/-0%	.8	100V	—	—	—	—	—	—	—	—
J		Insulated	10 pF	Max.	635	100V	—	—	—	—	—	—	—
K	Grounded Insert					—	—	—	—	—	—	—	
L	Pi	68 pF	±20%	65	100V	—	—	—	—	1	6	17	23
M		100 pF	±20%	46	100V	—	—	—	—	2	9	22	28
N		135 pF	+100/-0%	25	100V	—	—	—	1	6	17	26	34
O		470 pF	±20%	11	100V	—	—	—	9	18	22	36	43
P		820 pF	±20%	6	100V	—	—	4	13	23	31	45	52
Q		1000 pF	±20%	5	100V	—	2	7	16	24	36	51	59
R		1700 pF	+100/-0%	1.9	100V	1	6	14	28	35	49	64	69
S		2500 pF	+100/-0%	1.3	100V	4	9	16	28	41	54	70	70
T	5000 pF	+100/-0%	.7	100V	9	15	28	41	53	66	70	70	

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

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