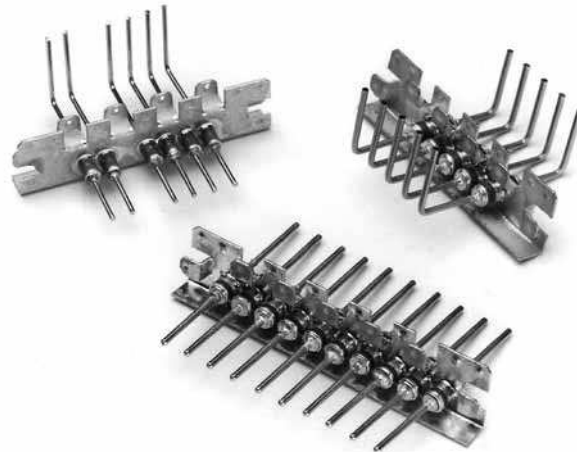


Easy Mate® Jr. Filter Plates

Spectrum Control has expanded its popular Easy Mate® family by adding two more package sizes. These new sizes are lower profile and facilitate installation of feed-thru filters into small hardware applications such as PCS linear power amplifiers and RF transmitters. The Easy Mate® Jr. is available in two plate lengths .990" and 1.240" and in standard (.100") and high density centers (2mm).

Easy Mate® Jr. Advantages

- Reduces installation time and overall cost
- Eliminates mounting hardware and prepwork
- Increase flexibility with standard density centers (.100") or high density centers (2mm)
- Improves overall quality and reliability
- Multiple finger ground contacts provide excellent EMI filtering from 5 MHz to 18 GHz
- Outperforms surface mount devices
- Maximize real estate on PCB
- Mixed capacitance values and schematics
- Ideal for isolation of electronic compartments
- Available in RoHS compliant versions



Mechanical Specifications

Base Plate

MaterialBeryllium copper

Base Plate

Thickness010 inches (.25mm)

PlatingTin,
RoHS version will be silver

Lead MaterialCopper alloy

Lead PlatingGold plate

Lead Diameterø .025" (.64mm)
for 0.100" centers (2.54mm)
ø .020 (.51mm)
for 0.079" centers (2.00mm)

Current Rating5 Amps for .025" ø (.64mm)
3 Amps for .020" ø (.51mm)

Ordering Information

Example: 52-978-1-06-B-A-2

The part number shown represents an Easy Mate® Jr. filter plate with 6 filters. Filters are C style with a capacitance value of 100pF. The plate length is .990", and the leads are bent 90° to the right side.

52	-	978	-	1	-	06	-	B	-	A	-	2
Filter Plates		978 Easy Mate® Jr. Standard Density		No. of Rows 1 = 1 row		No. of Lines per Row If less than 10, use a 0 (zero) first.		Filter Designation A - T from table on page 118. ***		Plate Length A - .990 (25.15mm) B - 1.240 (31.49mm)		Lead Configuration 0 - Straight 1 - 90° (left) 2 - 90° (right) 3 - 90° (both)

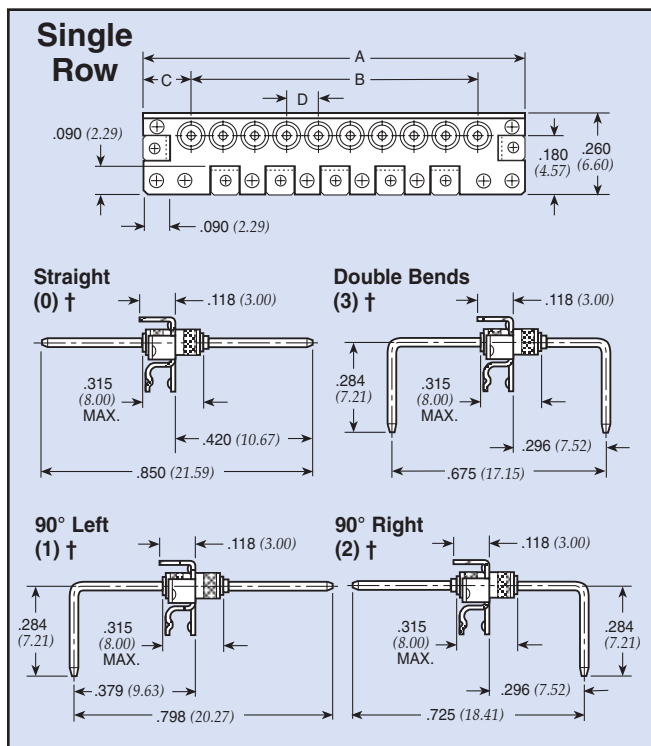
* Maximum capacitance up to 4000pF C style filter

**Replace "-" with "F" for RoHS complaint version

*** To request selective line filtering, a mechanical configuration or material specification not shown in this catalog, please complete and forward the design inquiry form on page 121. We will review your request and provide you with a part number.

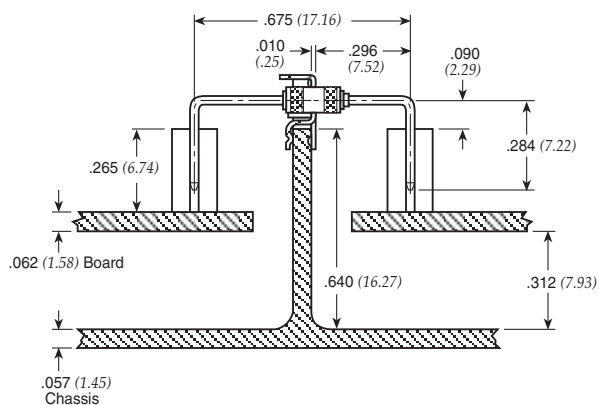
Easy Mate® Jr. Filter Plates

Dimensions: inches and (mm)



† Refers to lead configuration for part number/ordering information

Typical Mounting Application



Standard Density Centers .100" (D)

Plate length (A)	No. of filtered lines per row	52-978-XXX-XXX	
		B	C
.990 (25.15)	2	0.1 (2.54)	0.395 (10.03)
	3	0.2 (5.08)	0.395 (10.03)
	4	0.3 (7.62)	0.295 (7.49)
	5	0.4 (10.16)	0.295 (7.49)
	6	0.5 (12.70)	0.195 (4.95)
1.24 (31.49)	7	0.6 (15.24)	0.195 (4.95)
	2	0.1 (2.54)	0.570 (14.48)
	3	0.2 (5.08)	0.470 (11.94)
	4	0.3 (7.62)	0.470 (11.94)
	5	0.4 (10.16)	0.370 (9.40)
	6	0.5 (12.70)	0.370 (9.40)
	7	0.6 (15.24)	0.270 (6.86)
	8	0.7 (17.78)	0.270 (6.86)
	9	0.8 (20.32)	0.170 (4.32)
	10	0.9 (22.86)	0.170 (4.32)

High Density Centers 2mm (D)

Plate length (A)	No. of filtered lines per row	52-979-XXX-XXX	
		B	C
.990 (25.15)	2	0.079 (2.00)	0.417 (10.58)
	3	0.157 (4.00)	0.417 (10.58)
	4	0.236 (6.00)	0.338 (8.58)
	5	0.315 (8.00)	0.338 (8.58)
	6	0.394 (10.00)	0.259 (6.58)
1.24 (31.49)	7	0.472 (12.00)	0.259 (6.58)
	2	0.079 (2.00)	0.580 (14.75)
	3	0.157 (4.00)	0.502 (12.75)
	4	0.236 (6.00)	0.502 (12.75)
	5	0.315 (8.00)	0.423 (10.75)
	6	0.394 (10.00)	0.423 (10.75)
	7	0.472 (12.00)	0.344 (8.75)
	8	0.551 (14.00)	0.344 (8.75)
	9	0.630 (16.00)	0.266 (6.75)
	10	0.709 (18.00)	0.266 (6.75)

Easy Mate® Jr. Chassis Cut-out Design Patented

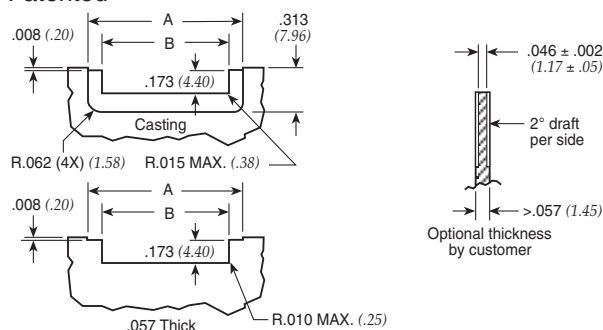


Plate Length	A	B
.990 (25.15)	1.015 (25.78)	0.834 (21.18)
1.24 (31.49)	1.265 (32.13)	1.084 (27.53)