

Micro-D Filter Connectors Solder Cup



Glenair's Filtered Solder Cup Micro-D's provide EMI solutions in a miniaturized M83513 type connector. These connectors feature ceramic capacitor planar arrays and ferrite inductors. Solder cups accept #26 thru #30 AWG wire, or specify oversize contacts for #24 gage wire.

Choose *Pi* or *C* Filter Arrays in seven filter classes and six layouts. Glenair filtered Micro-D connectors comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

Choose *9 to 37 Contacts*, with standard cadmium or nickel plating on the connector housing or choose optional finishes such as gold or chem film.

HOW TO ORDER FILTER MICRO-D CONNECTORS WITH SOLDER CUPS

| Series | Shell Finish | Number of Contacts | Contact Type | Filter Type | Filter Class | Hardware |
|---------------------------|------------------------------|--------------------|--|---|--|--|
| 240-030 | Aluminum Shell | 9 | Solder Cup Contacts for #24 AWG or Smaller Wire | C – C Filter P – Pi Filter | A B C D E F G | B P M M1 S S1 L K F R |
| | 1 – Cadmium | 15 | | | | |
| | 2 – Nickel | 21 | S – Socket | | | |
| | 4 – Black Anodize | 25 | | | | |
| | 5 – Gold | 31 | | | | |
| | 6 – Chem Film | 37 | | | | |
| | Stainless Steel Shell | | | | | |
| | 3 – Passivated | | | | See "Filter Classes" on Following Page | |
| Sample Part Number | | | | | | |
| 240-030 | - 2 | - 25 | P | P | B | B |

MICRO-D MOUNTING HARDWARE

| B | P | M | M1 | S | S1 | L | K | F | R |
|---|--|---|--|--|---|--|--|--|---|
| | | | | | | | | | |
| Thru-Hole Order Hardware Separately | Jackpost Removable Includes Nut and Washer | Jackscrew Hex Head Removable E-ring | Jackscrew Hex Head Removable E-ring Extended | Jackscrew Slot Head Removable E-ring | Jackscrew Slot Head Removable E-ring Extended | Jackscrew Hex Head Non-Removable | Jackscrew Slot Head Non-Removable Extended | Float Mount For Front Panel Mounting | Float Mount For Rear Panel Mounting |

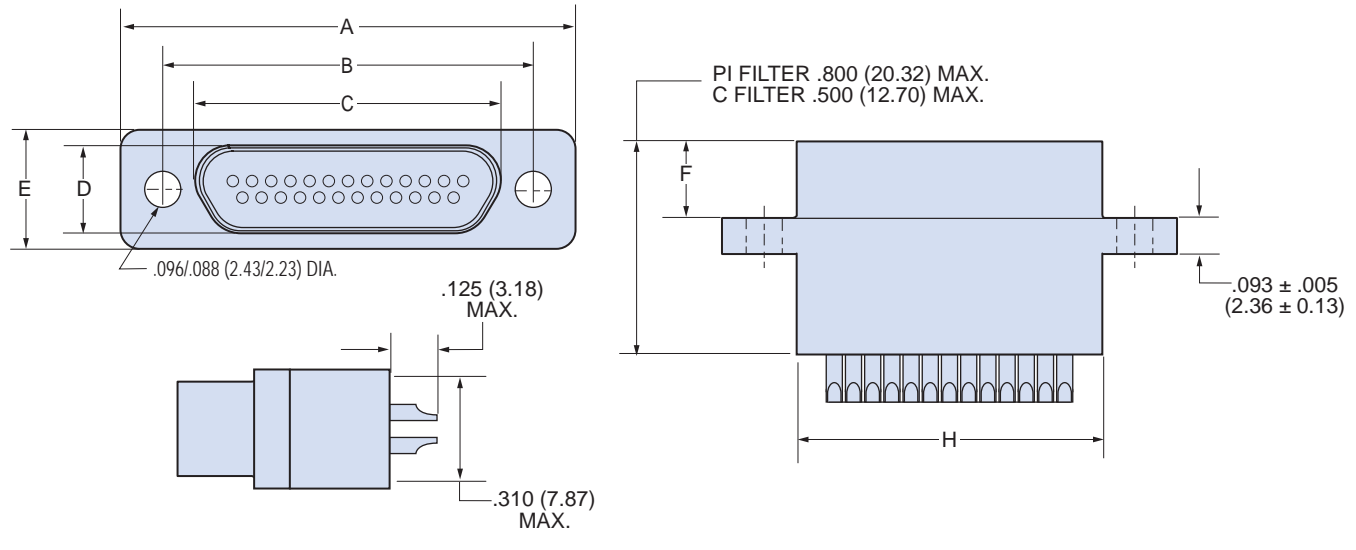


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MICRO-D FILTER CLASSES AND PERFORMANCE

| Filter Class → | A | | B | | C | | D | | E | | F | | G | |
|---|-------------|----|-------------|----|-------------|----|------------|----|-----------|----|----------|----|---------|-----|
| Capacitance, Picofarads (pF) | | | | | | | | | | | | | | |
| C Filter | 19000-28000 | | 16000-22500 | | 9000-16500 | | 4000-6000 | | 1650-2500 | | 400-650 | | 200-300 | |
| Pi Filter | 38000-56000 | | 32000-45000 | | 18000-33000 | | 8000-12000 | | 3300-5000 | | 800-1300 | | 400-600 | |
| Insertion Loss, dB Minimum, 25° C. | | | | | | | | | | | | | | |
| Filter Type → | C | | Pi | | C | | Pi | | C | | Pi | | C | |
| 1 MHz | 6 | 10 | 5 | 8 | 3 | 5 | — | 1 | — | — | — | — | — | — |
| 10 MHz | 24 | 40 | 23 | 35 | 16 | 25 | 8 | 14 | 4 | 8 | — | 2 | — | 0.8 |
| 100 MHz | 41 | 62 | 39 | 60 | 35 | 57 | 28 | 50 | 21 | 40 | 10 | 15 | 5 | 13 |
| 500-1000 MHz | 50 | 66 | 49 | 62 | 46 | 60 | 41 | 58 | 34 | 52 | 23 | 32 | 17 | 22 |

F



DIMENSIONS

| Layout | A Max. | | B | | C Max. | | D Max. | | E Max. | | F | | H Max. | |
|--------|--------|-------|------------|------------|--------|-------|--------|------|--------|------|------------|------------|--------|-------|
| | In. | mm. | In. ± .003 | mm. ± 0.08 | In. | mm. | In. | mm. | In. | mm. | In. ± .004 | mm. ± 0.10 | In. | mm. |
| 9P | .785 | 19.94 | .565 | 14.35 | .333 | 8.46 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .400 | 10.16 |
| 9S | .785 | 19.94 | .565 | 14.35 | .400 | 10.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .400 | 10.16 |
| 15P | .935 | 23.75 | .715 | 18.16 | .483 | 12.27 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .550 | 13.97 |
| 15S | .935 | 23.75 | .715 | 18.16 | .551 | 14.00 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .550 | 13.97 |
| 21P | 1.085 | 27.56 | .865 | 21.97 | .633 | 16.08 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .700 | 17.78 |
| 21S | 1.085 | 27.56 | .865 | 21.97 | .701 | 17.81 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .700 | 17.78 |
| 25P | 1.185 | 30.01 | .965 | 24.51 | .733 | 18.62 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .800 | 20.32 |
| 25S | 1.185 | 30.01 | .965 | 24.51 | .801 | 20.35 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .800 | 20.32 |
| 31P | 1.335 | 33.91 | 1.115 | 28.32 | .883 | 22.43 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .950 | 24.13 |
| 31S | 1.335 | 33.91 | 1.115 | 28.32 | .951 | 24.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .950 | 24.13 |
| 37P | 1.485 | 37.72 | 1.265 | 32.13 | 1.033 | 26.24 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | 1.100 | 27.94 |
| 37S | 1.485 | 37.72 | 1.265 | 32.13 | 1.101 | 27.96 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | 1.100 | 27.94 |