

Filtered Micro D **Series Connectors**

For designs that require even smaller connector packages, Spectrum has designed a line of filtered Micro D-Subminiature connectors. This line of connectors offers a range of reliable filtering options, including capacitive and ESD versions, and several sizes and termination options. Spectrum has a Micro D-sub connector to satisfy your smallest space constraints.

Features

- Light weight
- Compact size
- Environmentally sealed contact area when mated
- Corrosion resistant
- Durable (500 cycles min.)
- Superior electrical performance
- RoHS complaint



Mechanical Specifications

Shell Aluminum, electroless nickel plated 500 µ in (12.7 µm) minimum Insulator Glass filled polyester, flammability UL94V-0 Contacts..... Copper alloy, gold plated 50 µ in (1.27 µm) minimum Potting Flammability UL94V-0 Interfacial Seal Silicon

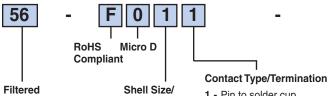
Electrical Specifications

Operating Voltage. 100 VDC

Withstanding Voltage . . . 300 VDC Current Rating..... 3 Amps

Insulation Resistance ... 5G ohms @ 100 VDC

Ordering Information Example: 56F011-110-JP

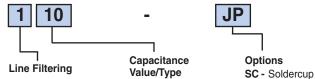


Connectors

Number of Contacts

- 0 9 contacts 1 - 15 contacts
- 2 21 contacts 3 - 25 contacts
- 4 31 contacts 5 - 37 contacts
- 1 Pin to solder cup
- 2 Pin to right angle (Standard profile)*
- Socket to PC tail*
- 4 Socket to right angle (Standard profile)*
- 6 Socket to solder cup
- 7 Pin to PC tail*

This part number represents a micro D-sub connector with a shell size of 15 and a pin to solder cup configuration. All lines are filtered with same capacitance value, which is 100 pF COB. The connector includes an optional #2-56 jack post.



- 1 All positions same
- 2 Select load

High Performance

01 - 100 pF FT **02 -** 470 pF FT

03 - 820 pF FT **04 -** 1500 pF FT

05 - 4700 pF FT **Standard Performance**

10 - 100 pF COB **11 -** 470 pF COB

12 - 820 pF COB 13 - 1500 pF COB 14 - 4700 pF COB

All capacitance values ±20% @ 25°C

JP - #2-56 jack post

JS - #2-56 jackscrew

TI - Threaded insert

JT - Jack post and

PC - PC tail and right angle

threaded insert

^{*} Right angle and PC tail length (Standard Profile) is 0.109 other lengths available, consult factory