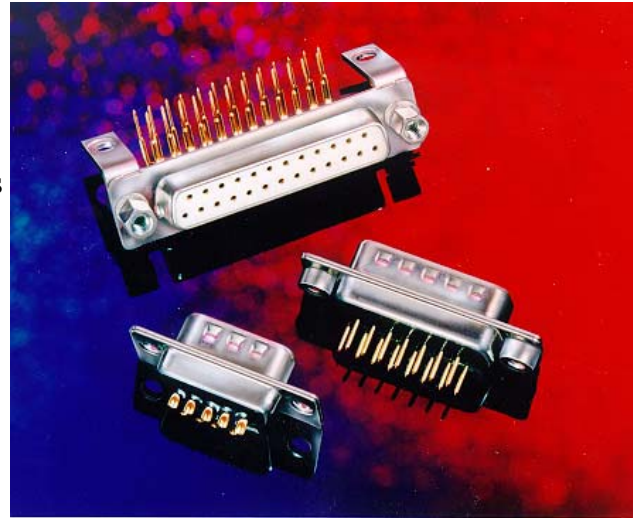


Filtered Sub-Miniature Connectors

Recently introduced European legislation requires equipments to meet stringent electromagnetic interference and emission limits. Cambridge Connectors' new range of Filtered Sub-miniature D Connectors assists in achieving this.

Available in 9, 15, 25 & 37 way shell sizes, filtering of RFI and EMI is achieved by connecting each contact to ground by a capacitance of 1.0nF.

Featuring gold plated turned pin contacts and bright tin plated steel shells for additional EMI/RFI shielding the range is fully compatible with standard D connectors.

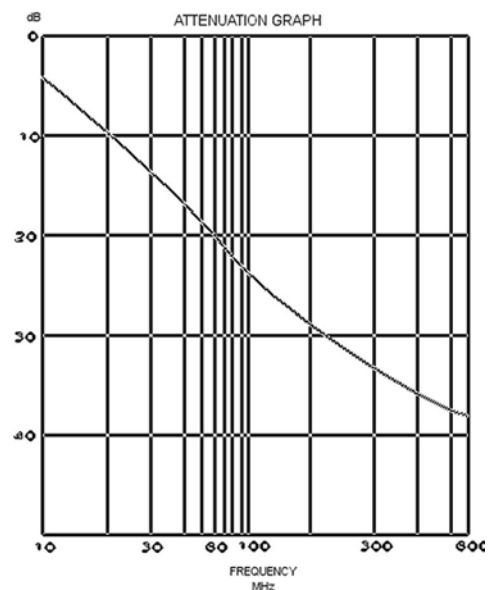


Typical applications are in data transmission, telecommunications, instrumentation and transport industries.

A wide range of adaptors, hoods and accessories offering further EMI/RFI protection are also available from Cambridge Connectors.

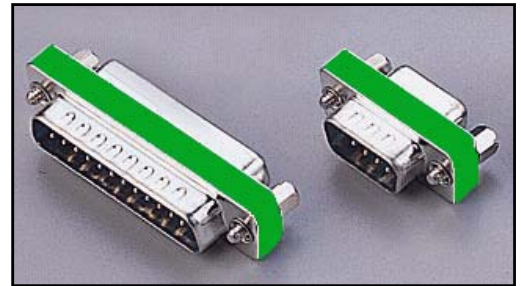
Materials and Operating Characteristics:

- ◆ Insulator: thermoplastic rated UL94V-O
- ◆ Shell: steel with tin plating:
- ◆ Contacts: screw-machined copper alloy
- ◆ Contact plating: gold over nickel
- ◆ Current rating: 7.5 amps max.
- ◆ Temperature range: -55°C to +105°C
- ◆ Operating Voltage: 200 V
- ◆ Capacitance: 1.0nF (standard)
- ◆ Tolerance of capacitance: -20/+20%



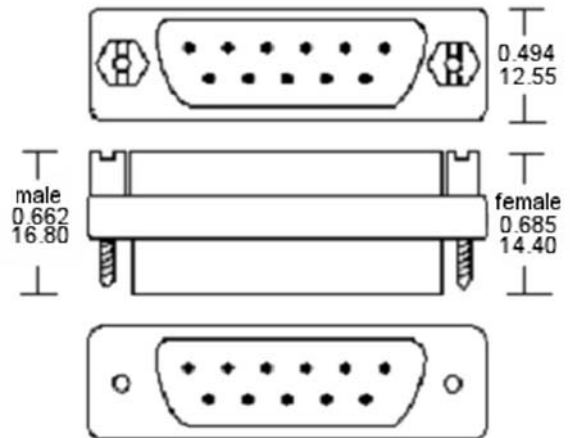
Filtered Sub-Miniature ‘D’ Adaptors

These adaptors provide a simple, economic and effective method of filtering a wide range of equipment. Available to fit all sizes of subminiature D connector shell sizes of 9, 15, 25 and 37 ways they enable existing connectors and cable assemblies to be used without further modification. Each contact is filtered with a 1000pF capacitance giving attenuation of 40 dB minimum at 100 MHz. Other capacitance values are available to order from 180 pF to 5600 pF.



Specification:

- Type: Male to Female only
- Shell: Steel, Tin plated, Gold plated
- Pin Contact: Brass gold plated over nickel
- Insulator: PBT & Glass fibre reinforced
- Capacitance: 1000 pF ± 20%
- Dielectric Strength: 1000V for one minute
- Insulator Resistance: 3000 MOhm Min at 500V DC
- Current Rating: 5A DC Max
- Working Voltage: 100V DC Max
- Attenuation: 40db min. @ 100MHz
- Temperature: -55°C to + 105°C



Ordering Code

D P S - 25 - S D 1/ F1 (012)

Series:

D = D Subminiature

Product Gender:

P = Plus

S = Socket

Product Version:

S = Standard version w ith screw machined contacts

No. of contacts:

Termination Style:

S - Solder Bucket

P - Straight PCB

A - Right Angle PCB

European footprint supplied as standard. Other configurations available on request

Contact Plating:

D = Gold flash over nickel

Mounting Style:

1 = Standard flanged mounting

21 = With clinch nut rear mounting one piece right angled plastic bracket w ith 4.3mm vertical face mounting hole, right angled earthing strap w ith through hole on the horizontal face and w ith a tin plated shell in w hich the front half provides a hexagonal mounting hole.

22 = Fitted w ith board lock part ;no. 71D-0019-33 w ith M3 internal thread.

23 = Fitted w ith board lock part no. 71D-0020-33 w ith 4-40 UNC internal thread.

26 = As 21 above but also fitted w ith 4-40 UNC screw locks

F1 - Product manufactured w ith built in capacitors and standard filtering capacitance is 1nF.

F2 - Product manufactured w ith build-in capacitors and standard filtering capacitance is 2nF.

Modification Code:

011 - Socket w ith tin plated shell

012 - Plug w ith tin plated indented shell