

Mixed Layout Filter D Subminiature Connectors with Power Contacts

To complement their range of standard D Subminiature Filtered Connectors, Cambridge Connectors can now supply mixed layout connectors in filtered versions. High Power contacts and signal pins can now be filtered in standard subminiature D shell configurations. The use of capacitive feedthrough technology allows filtering of between 100pF and 56nF; custom design selective filtering can also be applied to individual contacts where required.



A wide selection of shielded hoods and accessories are available which, when combined with the mixed layout connectors, provide a high level of EMI/EMC filtering in one space saving package.

In addition, where greater filtering is required Pi filtering (CLC) can be used for both signal & power pins. Typically the high frequency insertion losses are in the region of 80dB. LC filtering offers performance halfway between single capacitance filtering and Pi filtering at extremely attractive pricing.

Contact sales desk for more information.

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%

Typical Loss vs. Frequency (50 ohm line)

