

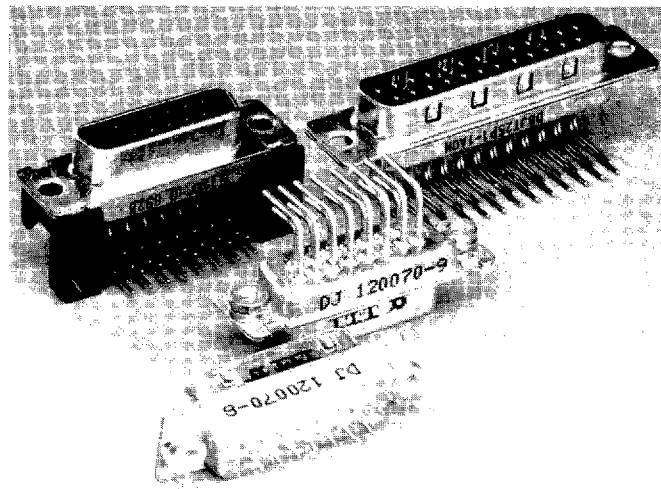
Filter connectors series D\*JK from ITT Cannon especially designed for commercial applications provide excellent protection against EMI and RFI.

Using D Subminiature standard components a cost-effective production can be achieved as well as 100% compatibility with equivalent products according to DIN 41652. D Subminiature standard accessories can be used.

High quality tubular ceramic capacitors are assembled onto the contacts and soldered to contact and backshell.

**Features**

- HF tightness and mechanical stability by closed backshell
- Grounding fingers (pin connector only)
- Straight and 90° solder pins



**Performance and Material Specifications**

**ELECTRICAL**

|  |                     |                       |    |
|--|---------------------|-----------------------|----|
| Filter designation   | 5                   | 4                     |    |
| Voltage rating (working)   | 100 VDC             |                       |    |
| Current rating   | 5,0 A               |                       |    |
| Insulation resistance, 30s electrification time max. at 25°C, DWV, sea level, with 500 microamps max. charge/discharge | 300 MΩ min./100 VDC |                       |    |
| Capacitance, typical at 1 KHz, 0,1 V <sub>max</sub> temperature 25°C   | 1500pF              | 1000pF                |    |
| Attenuation per MIL-STD-220 at 25°C with no applied voltage or current   | Freq. MHz           | min. Attenuation (dB) |    |
|  | 10                  | 3                     | —  |
|  | 30                  | 20                    | 14 |
|  | 100                 | 31                    | 27 |
|  | 300                 | 39                    | 35 |
|  | 1000                | 47                    | 42 |
| 2000   | 51                  | 46                    |    |

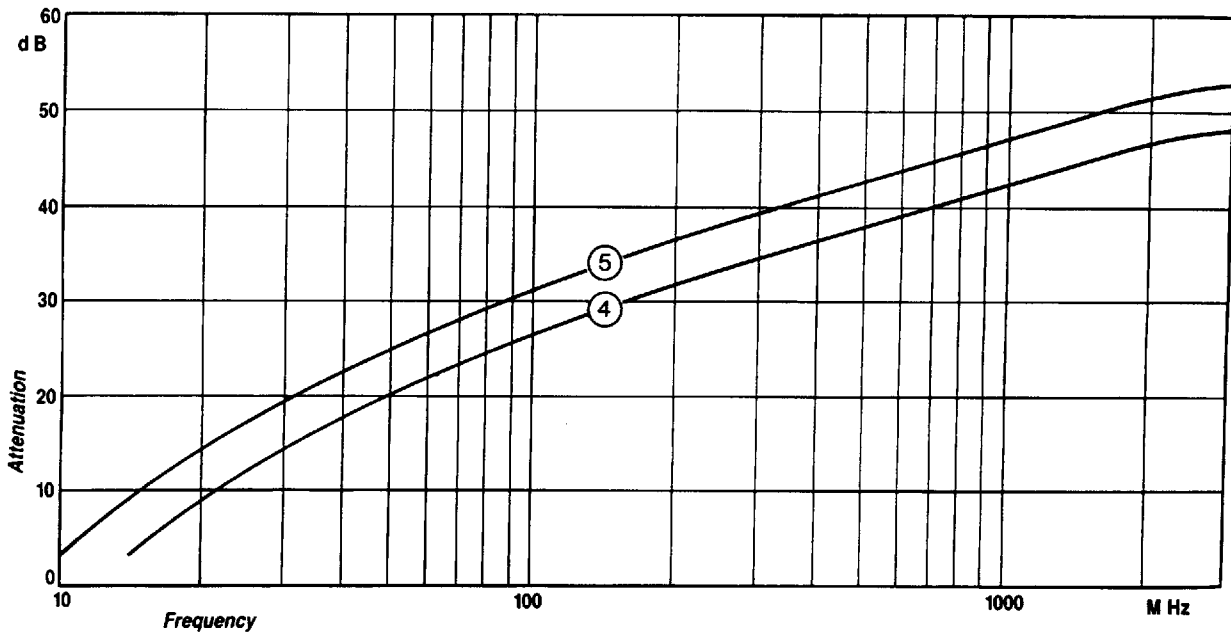
**MATERIALS**

|  |                                    |
|--|------------------------------------|
| Shell                                    | Steel, tinned                      |
| Insulator                                | PSU, UL 94V-0                      |
| Contacts                                 | Copper Alloy, 30μ gold over nickel |
| Temperature range acc. DIN IEC 68 part 1 | -55/125°C                          |

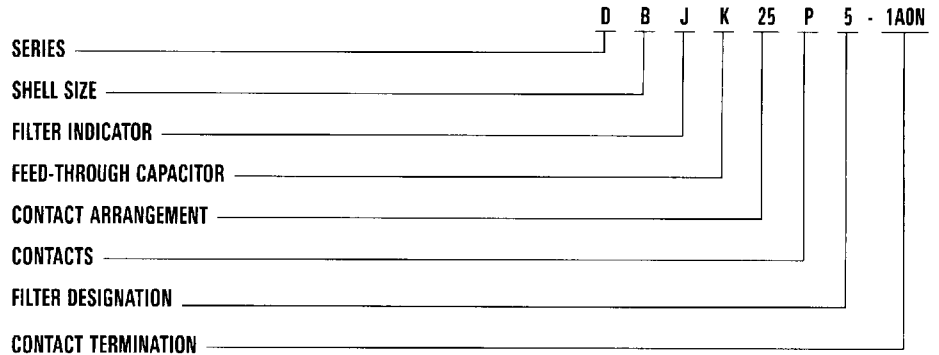
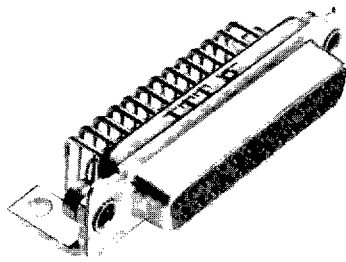
**MECHANICAL**

|                     |                              |
|---------------------|------------------------------|
| Coupling            | Friction, accessories        |
| Polarization        | Keystone shape of shell      |
| Termination methods | Solder pin, straight and 90° |

**Typical Filter Performance**



How to Order



**SERIES**  
D - Subminiature

**SHELL SIZE**  
E - ( 9 way)  
A - (15 way)  
B - (25 way)  
C - (37 way)  
D - (50 way)

**FILTER INDICATOR**

**FEED-THROUGH CAPACITOR**

**CONTACT ARRANGEMENT**  
9, 15, 25, 37, 50

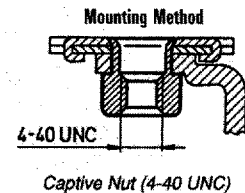
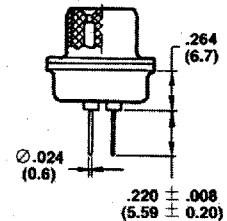
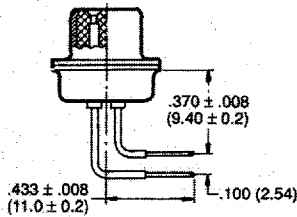
**CONTACTS**  
P - Pin  
S - Socket

**FILTER DESIGNATION**  
4 - 1000 pF  
5 - 1500 pF  
other capacitances - upon request

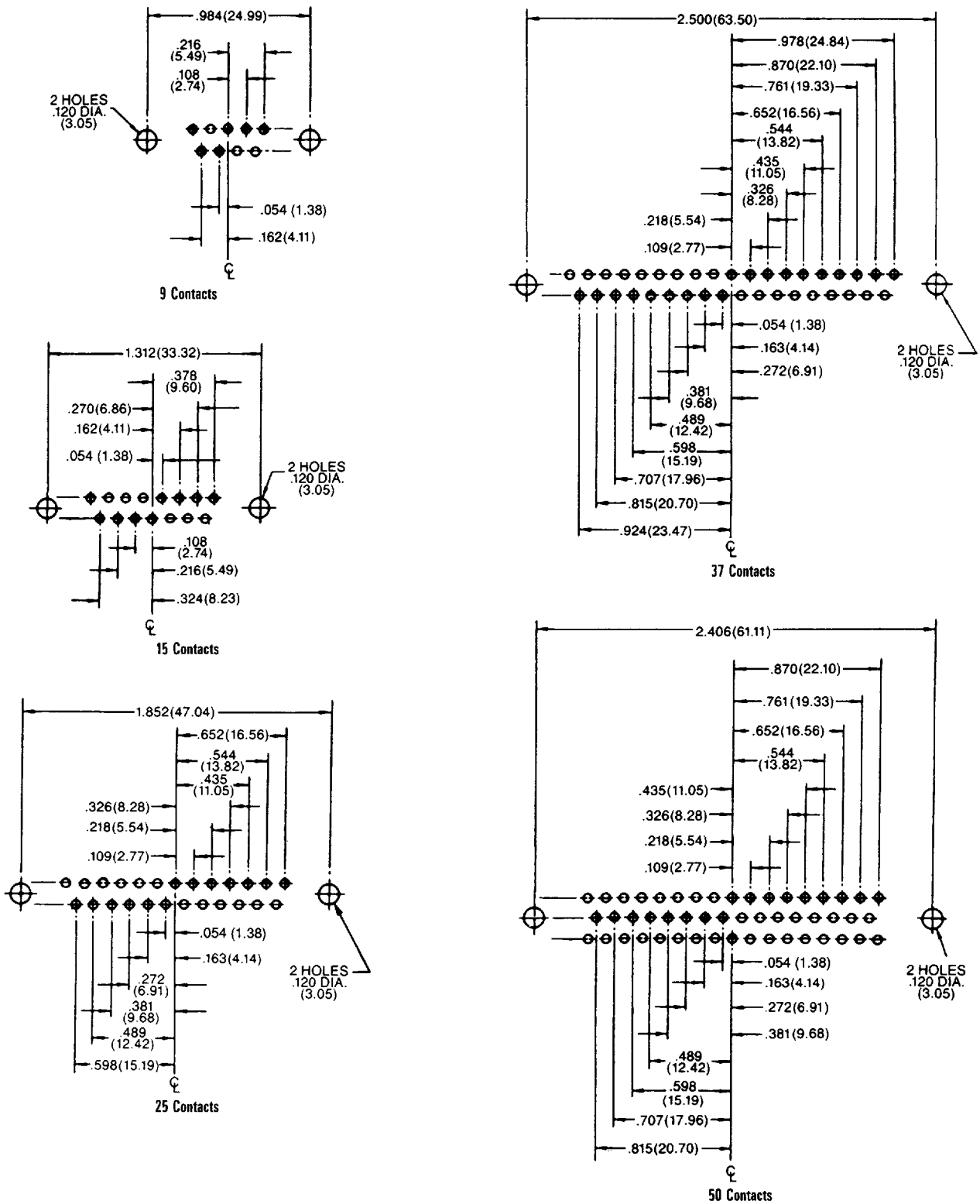
**CONTACT TERMINATION**  
OL4 - Straight solder pin .220 (5.59) ± .008 (0.20) (.120 [3.05] through hole)  
1A0N - 90° solder pins (.120 [3.05] through hole)  
1A7N - 90° solder pins, with 2 metal brackets with 4-40 UNC bolts

Highlighted part numbers indicate standard product; usually available with shorter lead times.

Straight Solder Pin



PC Board Hole Patterns



NOTE: Contact row spacing is .112 (2.84) for straight PCB and .100 (2.54) for right angle PCB.

| PC Tail Dia. | Recommended PC Board Hole Dia. |
|--------------|--------------------------------|
| .028 (0.71)  | .045 (1.14)                    |
| .030 (0.76)  | .045 (1.14)                    |
| .040 (1.02)  | .055 (1.40)                    |

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