

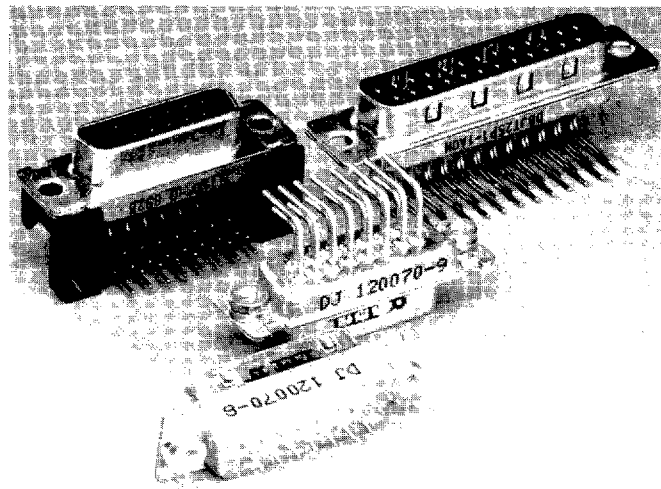
Filter connectors series D*JK from ITT Cannon especially designed for commercial applications provide excellent protection against EMI and RFI.

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 _{max} 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 | |

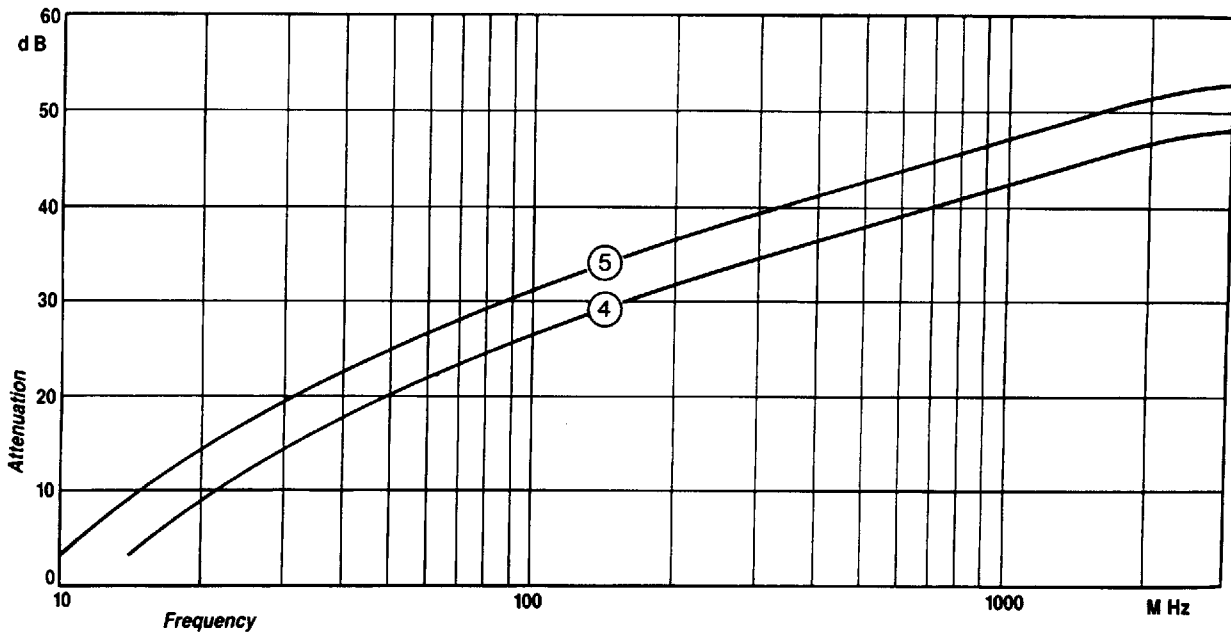
MATERIALS

| | |
|--|------------------------------------|
| 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 |

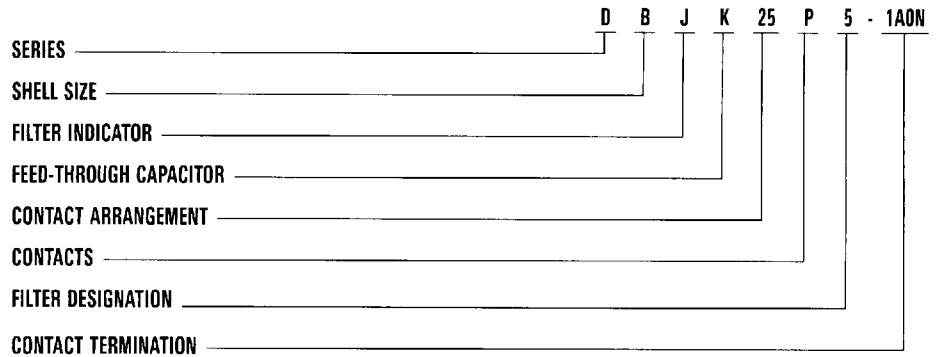
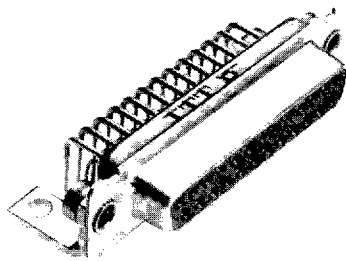
MECHANICAL

| | |
|---------------------|------------------------------|
| 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

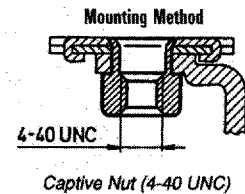
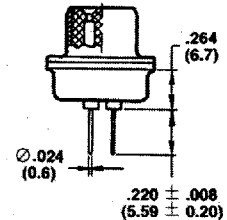
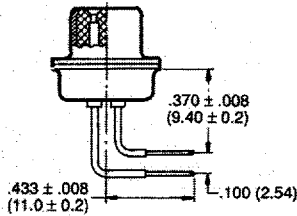
CONTACTS
P - Pin
S - Socket

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

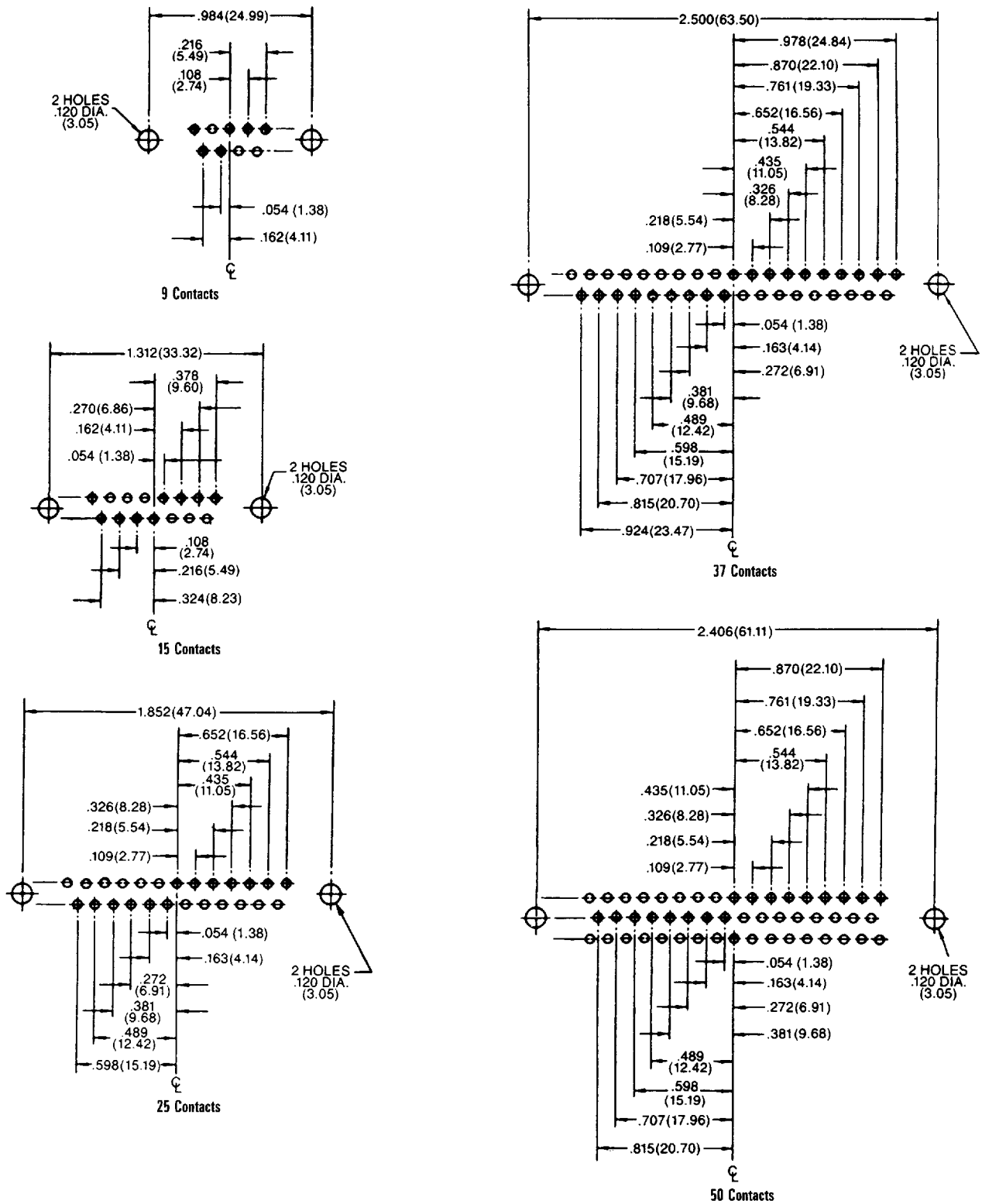
CONTACT TERMINATION
OL4 - Straight solder pin .220 (5.59) ± .008 (0.20) (.120 [3.05] through hole)
1A0N - 90° solder pins (.120 [3.05] through hole)
1A7N - 90° solder pins, with 2 metal brackets with 4-40 UNC bolts

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) |