

PART NUMBER CREATOR

2 4 3 A 1105 O X

Product Line	
Design	
3 = Adapter, standard DWV	
4 = Adapter, high DWV	
9* = Adapter, ultra high DWV * on request	
Quality class for contacts	
A = Quality class 3 / 50 mating cycles	
B = Quality class 2 / 200 mating cycles	
C = Quality class 1 / 500 mating cycles	
Serial number	
Design	
OX = Standard design	

Filter connectors for higher DWV

Increasing requirements, with respect to higher DWV for filter connectors, have induced us to carry out advanced development in this direction. CONEC is capable of delivering filter connectors with DWV of 1500 VDC.

- The various DWV ratings are as follows:
- 1 Standard DWV300/424 VDC
 - 2 High DWV.....707 VDC
 - 3 Ultra high DWV.....1000/1500 VDC (on request)

Furthermore, the filter connector can be designed for ultra high DWV of up to 2500 VDC at 10/700 pulse voltage. Filter connectors so designed fulfill the standards established according to CE requirements, i.e. 1414 VDC. For example, capacity ratings range from 180 pF to 1300 pF for standard series.

Special capacitance values are also available.

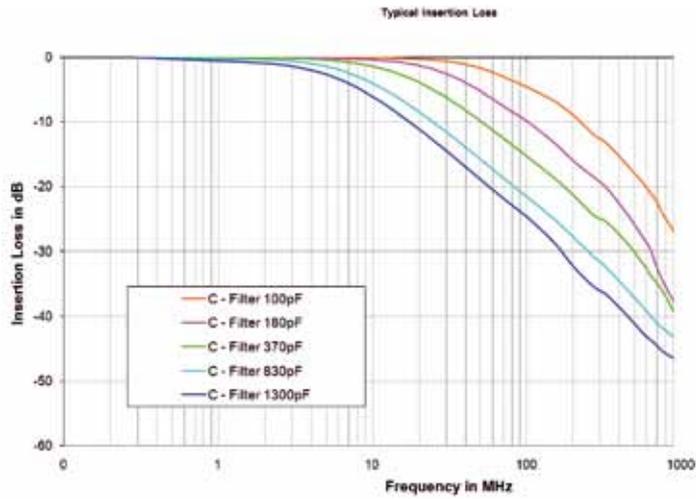
TECHNICAL DATA

Materials	Filter D-SUB Adapter 9, 15, 25, 37 and 50 position	Filter D-SUB Adapter High-Density 15-, 25-, 44-, and 78 position
Insulator	Polyester GF UL94 V-0	
Contacts	CU alloy	
Contact plating	Gold plated over nickel	
Shell	Steel tin plated / brass tin plated	
Mechanical and electrical characteristics		
Dielectric with standing voltage	<ul style="list-style-type: none"> • Standard 424 VDC • Standard 300 VDC (for .T-Filter) • High DWV 707 VDC • Ultra high DWV 1500 VDC * • Ultra high DWV 1000 VDC * (for .T-Filter) *on request	<ul style="list-style-type: none"> • Standard 300 VDC
Working voltage	<ul style="list-style-type: none"> • Standard 100 VDC* • High DWV 100 VDC* • Ultra high DWV 200 VDC* *Depending on isolation coordination (refer to DIN VDE 0110/IEC 664-1)	<ul style="list-style-type: none"> • Standard 100 VDC*
Contact resistance	Max. 10 mΩ prior to stressing, Δ R max. 10 mΩ after stressing per DIN 41652, Part 2	
Insulation resistance	≥ 1GΩ	
Current rating	7.5 A (UL) / 5 A (CSA,VDE)	3 A (UL,VDE) / 2.5 A (CSA)
Voltage surge 10/700μs	Standard 300 V High voltage 500 V	Standard 300 V
Mating and unmating forces	9 pos. ≤ 30 N 15 pos. ≤ 50 N 25 pos. ≤ 83 N 37 pos. ≤ 123 N 50 pos. ≤ 167 N	15 pos. ≤ 50 N 26 pos. ≤ 83 N 44 pos. ≤ 110 N 62 pos. ≤ 170 N
Temperature working range	-25°C to +105° C	-25°C to +85°C
Humidity	40°C / 85% relative humidity / RH	
Capacitor values For other capacitance values please contact the factory.	180 pF ± 20% tolerance 370 pF ± 20% tolerance 830 pF ± 20% tolerance 1300 pF ± 20% tolerance other capacitor values on request	180 pF ± 20% tolerance 370 pF ± 20% tolerance 830 pF ± 20% tolerance
Quality class	A = Quality class 3 = 50 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles	

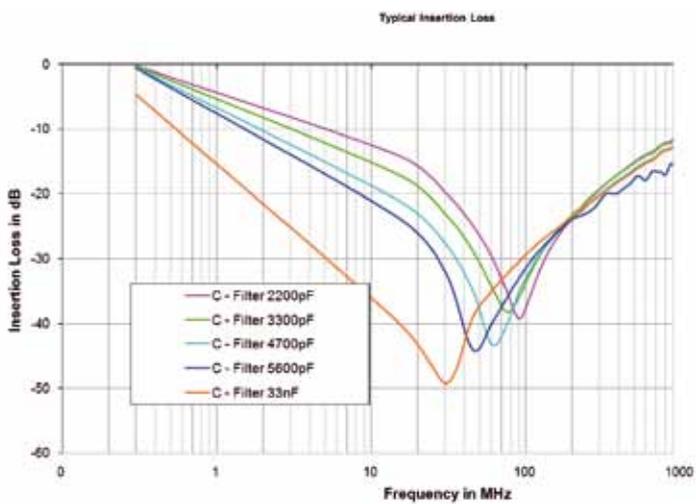
Technical alterations are subject to change without notice.

INSERTION LOSS

C-FILTER WITH PLANAR FILTER TECHNOLOGY

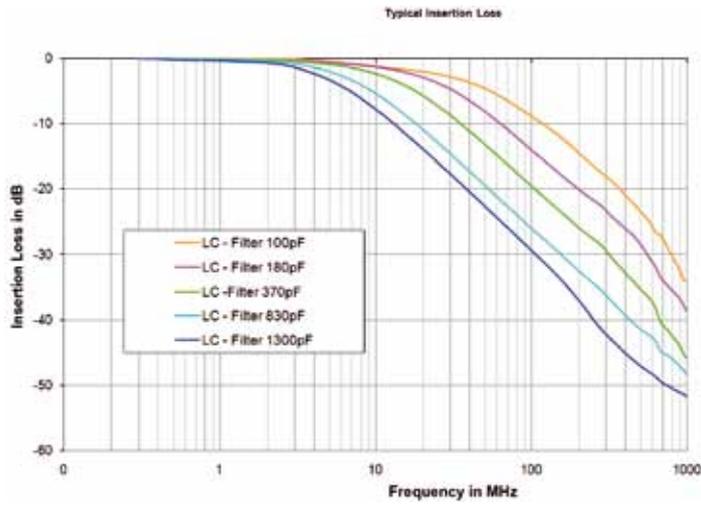


C-FILTER WITH CHIP TECHNOLOGY



INSERTION LOSS

LC-FILTER WITH PLANAR FILTER TECHNOLOGY



π -FILTER WITH PLANAR FILTER TECHNOLOGY

