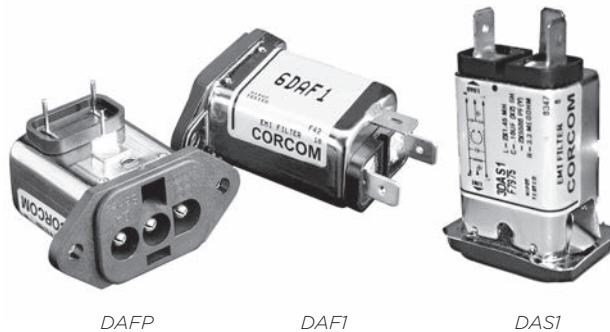


Compact RFI Line Filter with DC Inlet Connection

DA Series



UL Recognized
CSA Certified
TUV Certified



DAFP

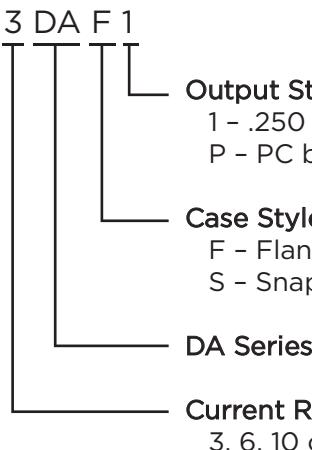
DAF1

DAS1

DA Series

- General purpose line filters for DC applications up to 125VDC.
- Compact with a 3-pin inlet connector
- Available in 3, 6, 10 and 15A versions
- Flange mount with 1/4" or PCB terminals
- Mates with a standard MOLEX* connector (HCS Series)

Ordering Information



Available Part Numbers

3DAF1	10DAF1
3DAS1	10DAS1
3DAFP	10DAFP
6DAF1	15DAF1
6DAS1	15DAS1
6DAFP	15DAFP

Specifications

Hipot rating (one minute):

Line to Ground: 2250 VDC
Line to Line: 1450 VDC

Rated Voltage (max):

125 VDC

Rated Current:

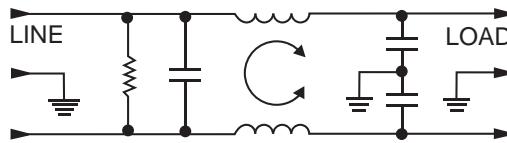
3 to 15A

Operating Ambient Temperature Range

(at rated current I_r): -10°C to +55°C

In an ambient temperature (T_a) higher than +55°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-T_a)/45}$

Electrical Schematic



Accessories



Red
Green/Yellow
Black

GA310 - (shown above) Pre-assembled connector housing and terminals with three 36" long 18 gauge wires to mate with DA Series filters

MOLEX* connector part numbers:

03-12-1036 Connector housing for DA Series
18-12-1222 Female terminals (3 per connector)

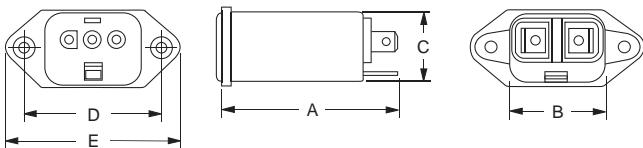
*MOLEX is a trademark of MOLEX Incorporated

Compact RFI Line Filter with DC Inlet Connection (continued)

DA Series

Case Styles

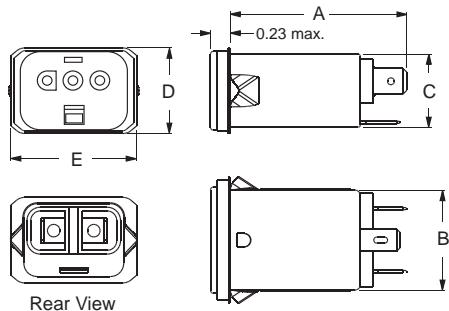
DAF1



Typical Dimensions:

Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole
 Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot
 Mounting Holes (2): .187 ± .008 [4.75 ± .20] Dia.
 90° countersunk for # 4 flathead screw

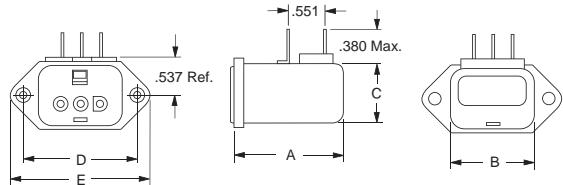
DAS1



Typical Dimensions:

Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole
 Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

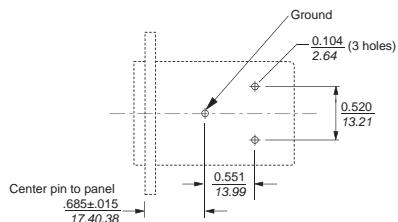
DAFP



Typical Dimensions:

Pins (3): .031 x .06 ± .003
 Mounting Holes (2): .187 ± .008 [4.75 ± .20] Dia.
 90° countersunk for # 4 flathead screw

PC Board Layout



Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

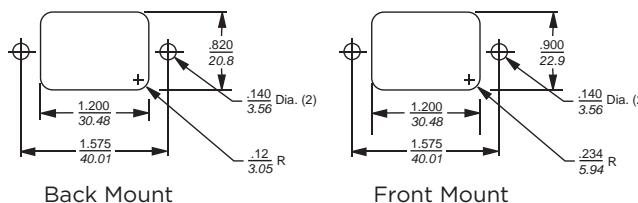
Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D $\pm .010$ $\pm .25$	E (max.)
DAF1	2.15 54.61	1.12 28.45	0.81 20.57	1.575 40.01	1.98 50.29
DAS1	1.98 50.29	1.10 27.94	0.81 20.57	0.96* 24.38	1.41 35.81
DAFP	1.54 39.12	1.12 28.45	0.81 20.57	1.575 40.01	1.98 50.29

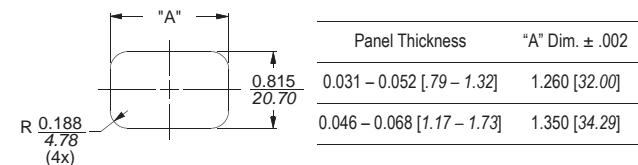
*Represents max. dimension

Recommended Panel Cutouts

DAF



DAS



Performance Data

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency - MHz										
	.05	.1	.15	.5	1	3	5	10	30	100	200
3A	6	9	11	26	41	48	52	55	46	22	16
6A	2	4	6	18	30	37	42	48	42	-	-
10A	-	1	4	8	17	25	30	36	38	21	11
15A	-	-	-	3	5	13	19	25	29	10	14

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency - MHz										
	.05	.1	.15	.5	1	3	5	10	30	100	200
3A	-	4	7	16	18	37	47	50	43	31	36
6A	-	4	7	19	21	27	40	53	41	-	-
10A	2	4	6	17	22	23	32	48	38	30	26
15A	-	-	2	17	19	29	33	37	37	31	28

4

DC Filters

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6609075-7](#)