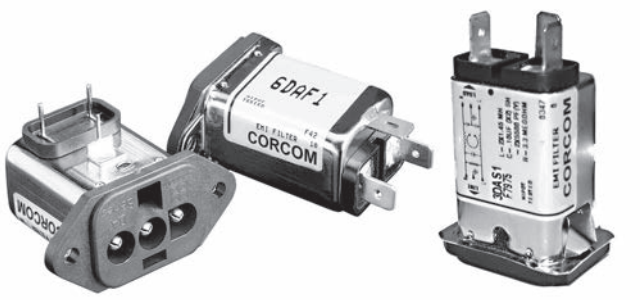
Compact RFI Line Filter with DC Inlet Connection

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

3 DA F 1

- **Output Styles**
  1 – .250 [6.3] spade terminals
  P – PC board mount pins
- **Case Style**
  F – Flange mount
  S – Snap-in
- **DA Series**
- **Current Rating**
  3, 6, 10 or 15A

Available Part Numbers

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

Specifications

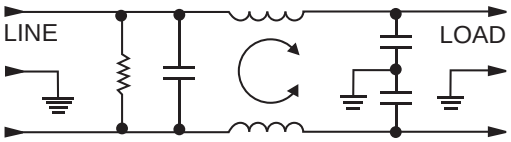
Hipot rating (one minute):
Line to Ground: 2250 VDC
LIne to Line: 1450 VDC

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: $I_o = I_r \sqrt{(85-Ta)/45}$

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

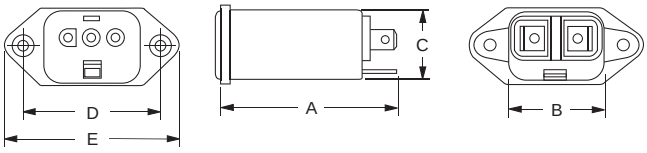
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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DA Series

Case Styles

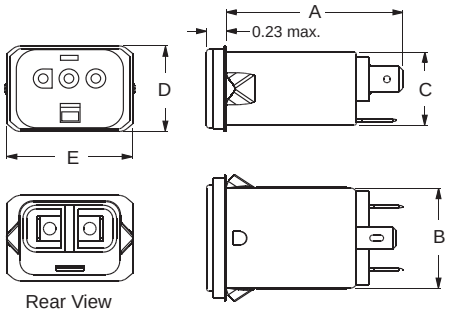
DAF1



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

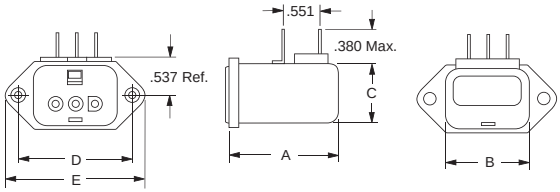
DAS1



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

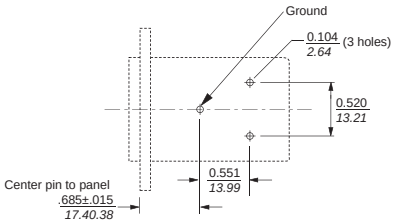
DAFP



Typical Dimensions:

Pins (3):	.031 x .06 ± .003
Mounting Holes (2):	0.187 ± .008 [*4.75 ± .20*] Dia. 90° countersunk for # 4 flathead screw

PC Board Layout



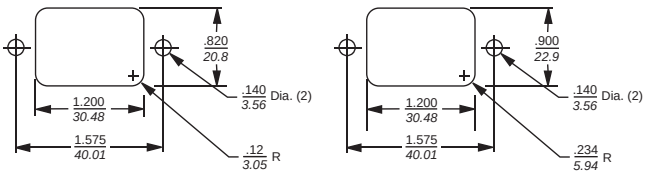
Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .010 ± .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*

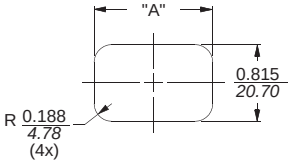
*Represents max. dimension

Recommended Panel Cutouts

DAF



DAS



Panel Thickness	"A" Dim. ± .002
0.031 – 0.052 [*.79 – 1.32*]	1.260 [*32.00*]
0.046 – 0.068 [*1.17 – 1.73*]	1.350 [*34.29*]

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

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