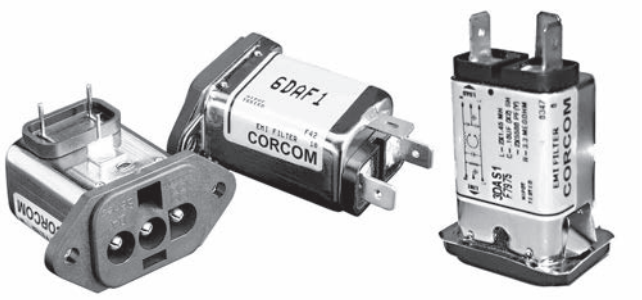
Compact RFI Line Filter with DC Inlet Connection

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

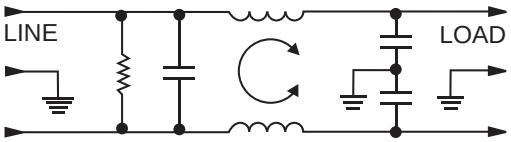
Hipot rating (one minute):
Line to Ground: 2250 VDC
LIne to Line: 1450 VDC

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

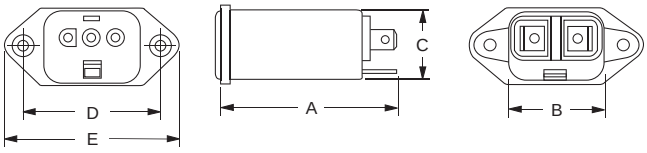
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com

DA Series

Case Styles

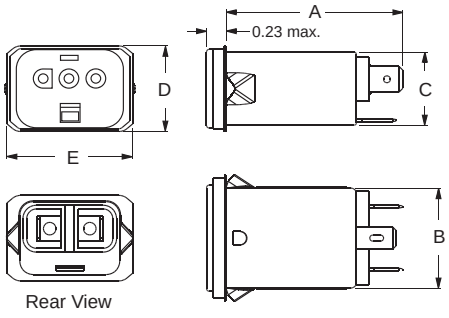
DAF1



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

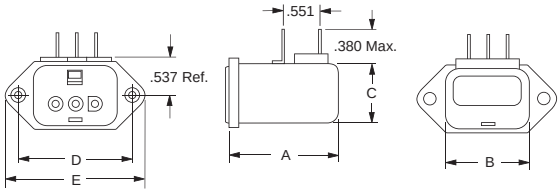
DAS1



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

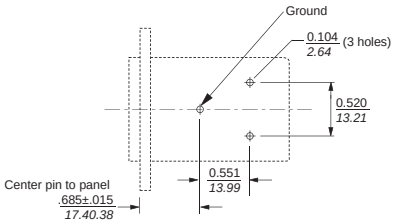
DAFP



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



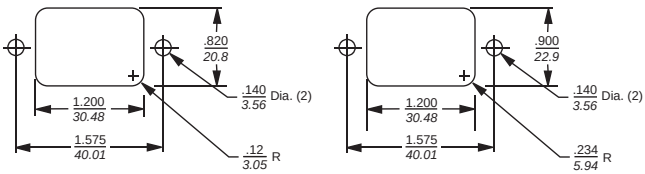
Case Dimensions

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*

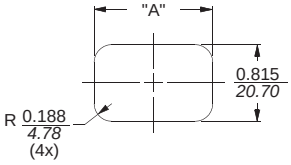
*Represents max. dimension

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