



15A DE SERIES

COMPACT IEC CONNECTOR FILTERS



INTRODUCTIONS

- 15DEEG3X: Filter with 120°C temperature socket
- 15DEEG3X(D): Filter with 65°C temperature socket
- Safety Approval:
EG3HA/(D): UL, CSA, TUV
EG3E/(X)/(DX): —
EG3M(D): —
EG3HAX/(X)/(DX): UL, CSA, VDE
EG3E-R/(X)/(DX): —
• (X): (1), (2), (3)
- UL, CSA approved 15A at 115VAC & 250VAC;
VDE-10A at 250 VAC

COMPONENTS

PART NO.	Cx (uF)	Lg (uH)	L (mH)
15DEEG3HA/(D)	—	6	0.12
15DEEG3HAX/(D)	0.1		
15DEEG3HAX(2)/(D)	0.033		
15DEEG3HAX(3)/(D)	0.047		
15DEEG3E-R/(D)	0.1	—	
15DEEG3E-R(1)/(D1)	0.0047		
15DEEG3E-R(2)/(D2)	0.033		
15DEEG3E-R(3)/(D3)	0.047		
15DEEG3E/(D)	0.1		
15DEEG3E(1)/(D1)	0.0047		
15DEEG3E(2)/(D2)	0.033		
15DEEG3E(3)/(D3)	0.047		
15DEEG3M(D)	0.1		
15DEEG3M(D2)	0.033		
15DEEG3M(D3)	0.047	0.15	

15DEEG3E

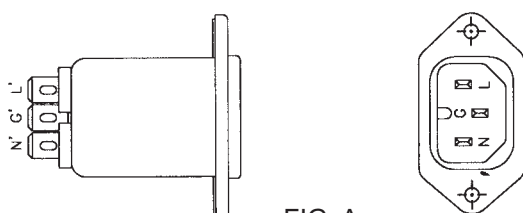


FIG. A

15DEEG3E (D)

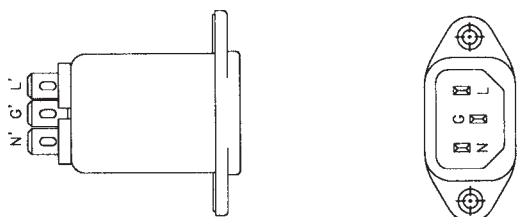


FIG. B

SPECIFICATIONS

- Maximum leakage current each
line-to-ground @ 115VAC 60Hz: 0.20mA
@ 250VAC 50Hz: 0.40mA
- Hipot rating (one minute)
line-to-ground: 2250VDC
line-to-line: 1450VDC
- Operating frequency: 50/60Hz
- Rated voltage: 115/250VAC

ELECTRICAL SCHEMATIC

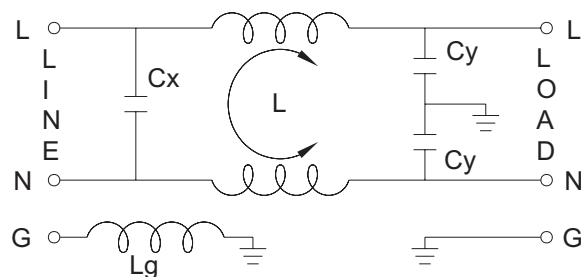
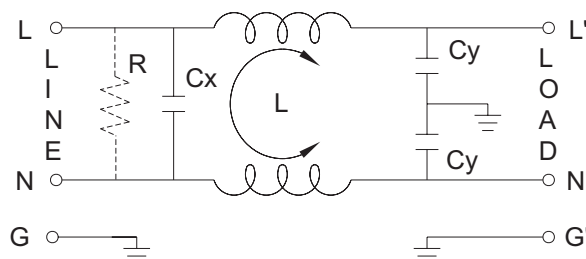


FIG. A: 15DEEG3HAX(X)/(DX)
Cy: 2200pF



15DEEG3E-R(X)/(DX)
FIG. B: 15DEEG3E(X)/(DX)
15DEEG3M(X)/(DX)

R: 1MΩ
Cy: 2200pF

◆15DE Series P/N System

15DE Series has different combinations on socket and Cx, please see the following:

A: SOCKET

- EX. P/N: 15DEEG3E used socket (FIG. A).
- EX. P/N: 15DEEG3E(D), P/N with suffix: "(D)" used socket (FIG. B).

B. Cx

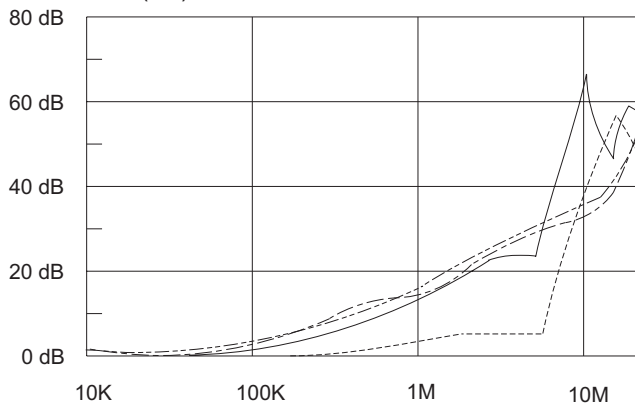
- EX. P/N: 15DEEG3E Cx: 0.1uF
- P/N with suffix "(1)" & "(D1)" Cx: 0.0047uF
- P/N with suffix "(2)" & "(D2)" Cx: 0.033uF
- P/N with suffix "(3)" & "(D3)" Cx: 0.047uF

MINIMUM INSERTION LOSS IN dB

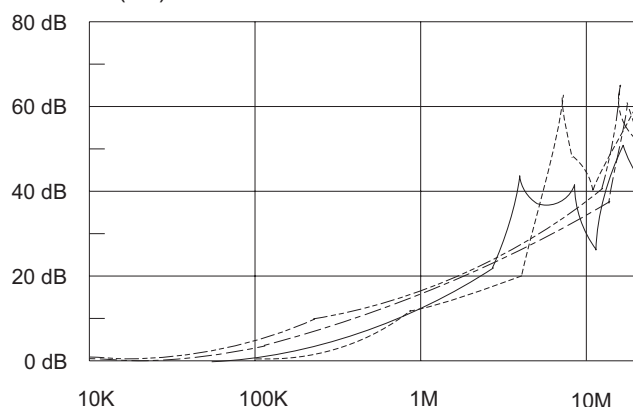
COMMON MODE (L-G) IN 50 OHM SYSTEM								DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM							
PART NO.	FREQUENCY-MHz							PART NO.	FREQUENCY-MHz						
	.10	.15	.50	1.0	5.0	10	30		.10	.15	.50	1.0	5.0	10	30
15DEEG3E(D)/-R	1	2	8	10	20	25	40	15DEEG3E(D)/-R	1	2	10	15	25	25	40
15DEEG3E(D1)/-R		0	5	10	20	25	40	15DEEG3E(D1)/-R		0	0	1	3	30	40
15DEEG3E(D2)/-R	1	2	8	10	20	25	40	15DEEG3E(D2)/-R	0	1	5	8	20	30	40
15DEEG3E(D3)/-R	1	2	8	10	20	25	40	15DEEG3E(D3)/-R	0	1	5	10	20	30	40
15DEEG3HAX(D)	1	3	8	10	20	25	40	15DEEG3HAX(D)	1	4	10	20	15	20	25
15DEEG3HAX(D2)	1	3	8	10	20	25	40	15DEEG3HAX(D2)		0	4	10	15	25	35
15DEEG3HAX(D3)	1	3	8	10	20	25	40	15DEEG3HAX(D3)	0	1	7	15	15	20	35
15DEEG3M(D)	1	2	7	10	20	25	40	15DEEG3M(D)	1	4	10	10	20	20	35
15DEEG3M(D2)		2	6	10	20	25	35	15DEEG3M(D2)		0	5	8	25	20	35
15DEEG3M(D3)		1	6	10	20	25	35	15DEEG3M(D3)		1	8	10	20	25	35
15DEEG3HA(D)		1	5	10	20	28	35	15DEEG3HA(D)					1	8	30

INSERTION LOSS (TYPICAL)

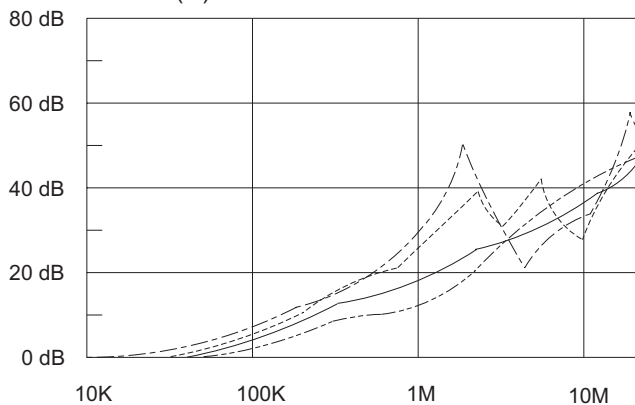
15DEEG3E(D1) ----- COMMON MODE ----- DIFF. MODE
 15DEEG3E(D3) ----- COMMON MODE ----- DIFF. MODE



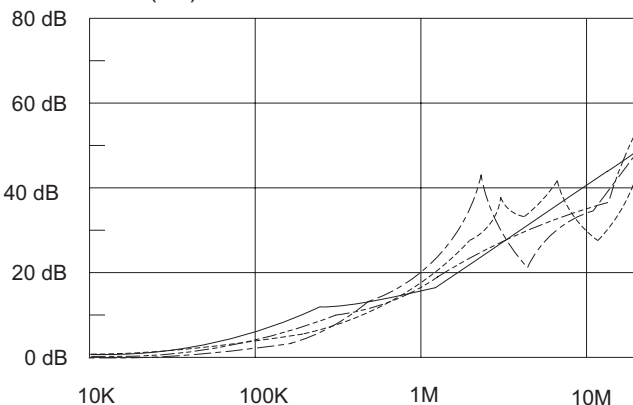
15DEEG3E(D2) ----- COMMON MODE ----- DIFF. MODE
 15DEEG3M(D2) ----- COMMON MODE ----- DIFF. MODE

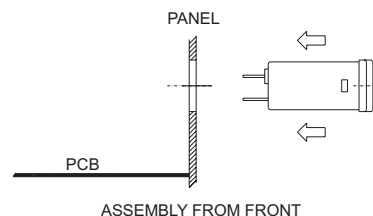


15DEEG3M(D) ----- COMMON MODE ----- DIFF. MODE
 15DEEG3HAX(D) ----- COMMON MODE ----- DIFF. MODE



15DEEG3M(D3) ----- COMMON MODE ----- DIFF. MODE
 15DEEG3HAX(D3) ----- COMMON MODE ----- DIFF. MODE

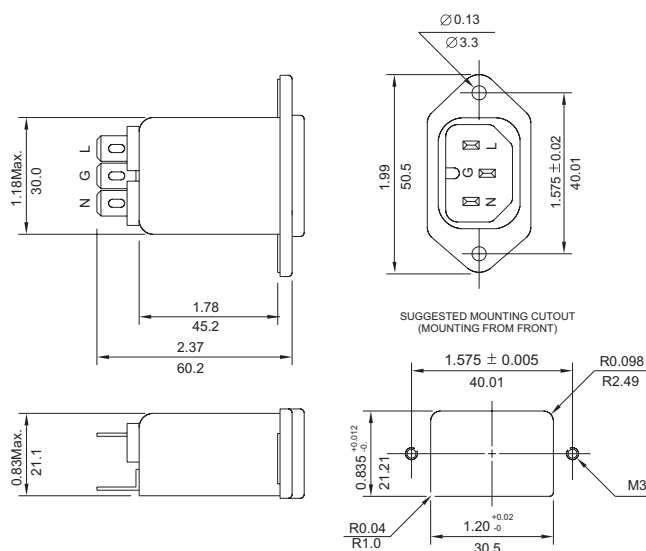




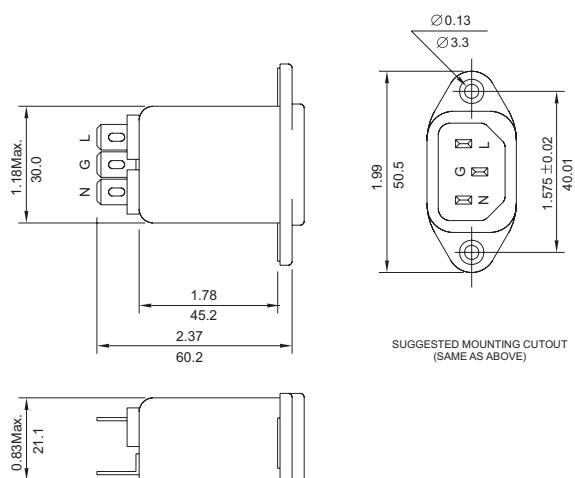
MECHANICAL CONSTRUCTION



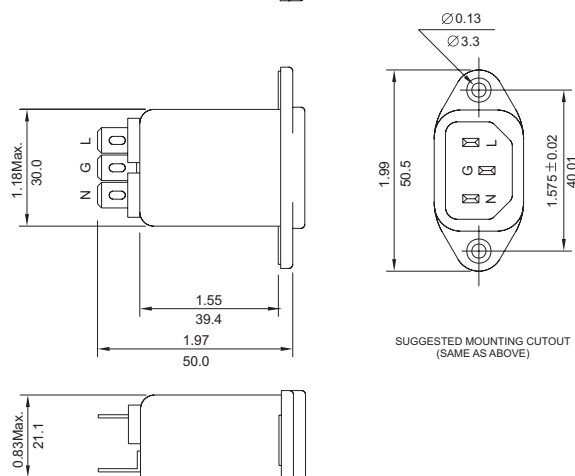
EG3HA, EG3HAX(X)
EG3E-R(X), EG3E(X)



EG3HA(D), EG3HAX(D)
EG3E(D), EG3E-R(D)



EG3M(D)



UNIT: $\frac{\text{INCH}}{\text{mm}}$