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15A DE SERIES COMPACT IEC CONNECTOR FILTERS

INTRODUCTIONS

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

SPECIFICATIONS

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

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	—	0.15
15DEEG3M(D2)	0.033		
15DEEG3M(D3)	0.047		

15DEEG3E

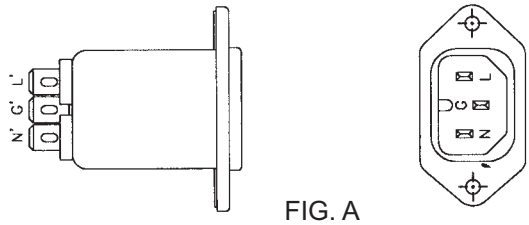


FIG. A

15DEEG3E (D)

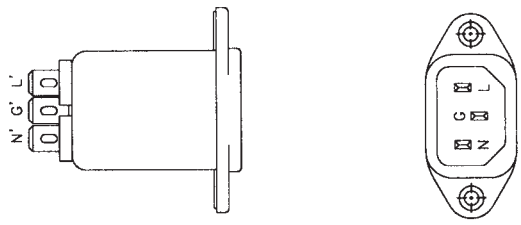


FIG. B

ELECTRICAL SCHEMATIC

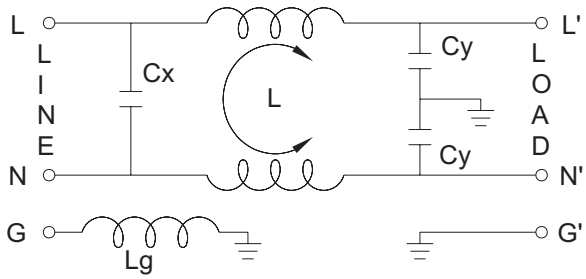
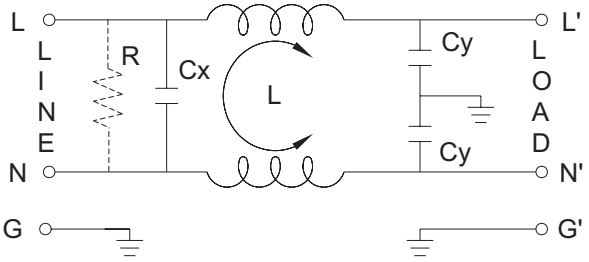


FIG. A: 15DEEG3HAX(X)/(DX)
Cy: 2200pF



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

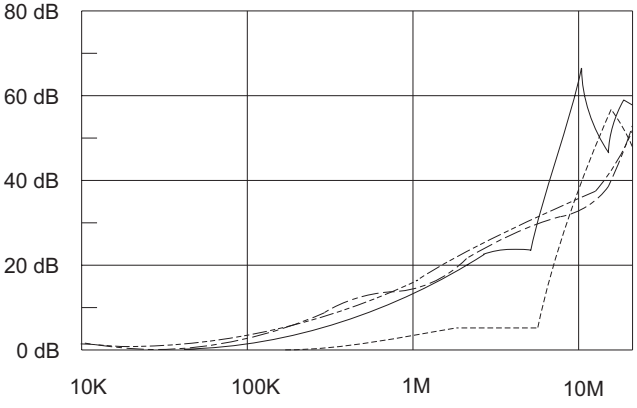
B. Cx
1. EX. P/N: 15DEEG3E Cx: 0.1uF
2. P/N with suffix "(1)" & "(D1)" Cx: 0.0047uF
3. P/N with suffix "(2)" & "(D2)" Cx: 0.033uF
4. P/N with suffix "(3)" & "(D3)" Cx: 0.047uF

MINIMUM INSERTION LOSS IN dB

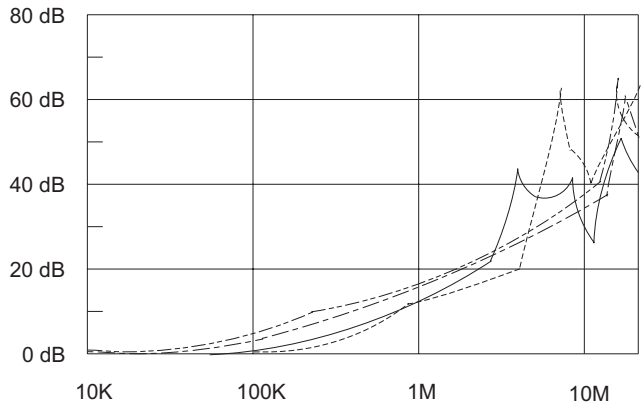
COMMON MODE (L-G) IN 50 OHM SYSTEM								DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM							
PART NO.	FREQUENCY-MHz							PART NO.	FREQUENCY-MHz						
	.10	.15	.50	1.0	5.0	10	30		.10	.15	.50	1.0	5.0	10	30
15DEEG3E(D)/-R	1	2	8	10	20	25	40	15DEEG3E(D)/-R	1	2	10	15	25	25	40
15DEEG3E(D1)/-R		0	5	10	20	25	40	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)

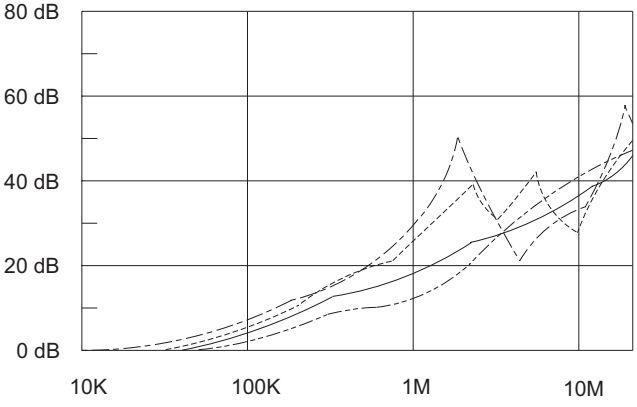
15DEEG3E(D1) ------ COMMON MODE ------ DIFF. MODE
15DEEG3E(D3) - - - - COMMON MODE ——— DIFF. MODE



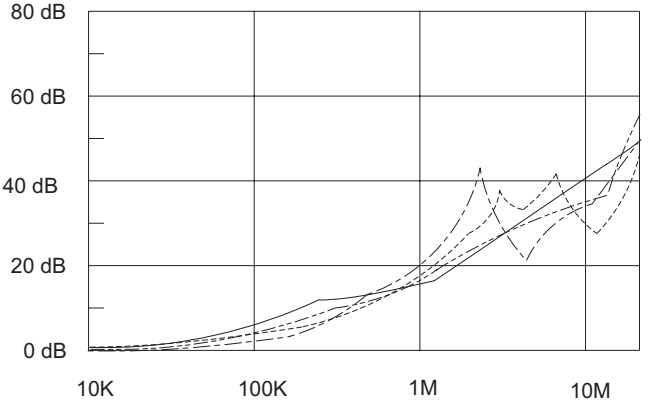
15DEEG3E(D2) ------ COMMON MODE ------ DIFF. MODE
15DEEG3M(D2) - - - - COMMON MODE ——— DIFF. MODE

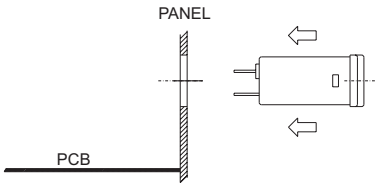


15DEEG3M(D) ------ COMMON MODE ------ DIFF. MODE
15DEEG3HAX(D) - - - - COMMON MODE ——— DIFF. MODE



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



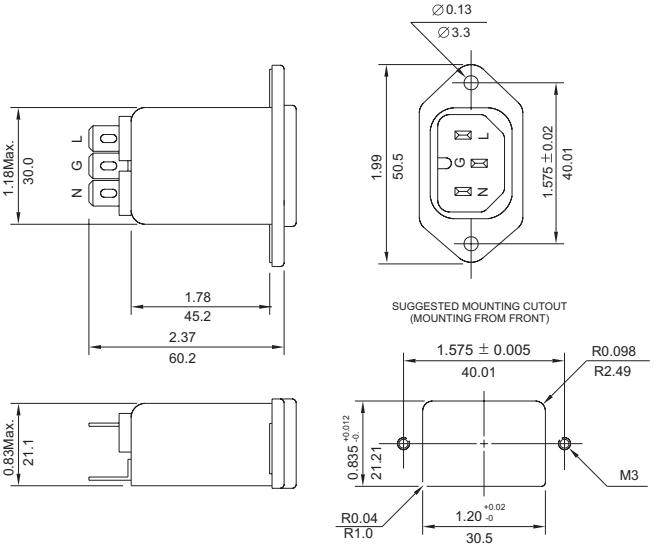


ASSEMBLY FROM FRONT

MECHANICAL CONSTRUCTION

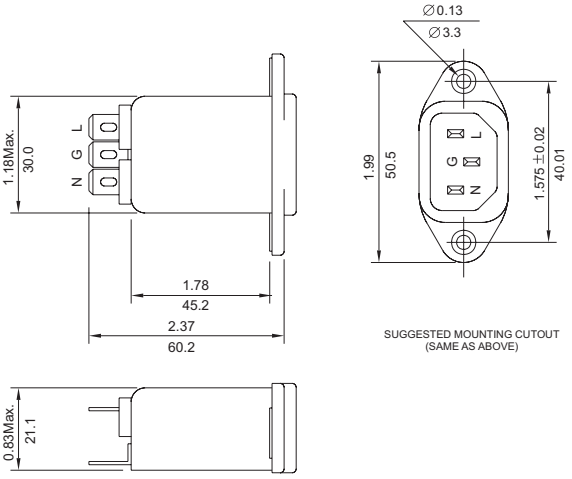


EG3HA, EG3HAX/(X)
EG3E-R/(X), EG3E/(X)



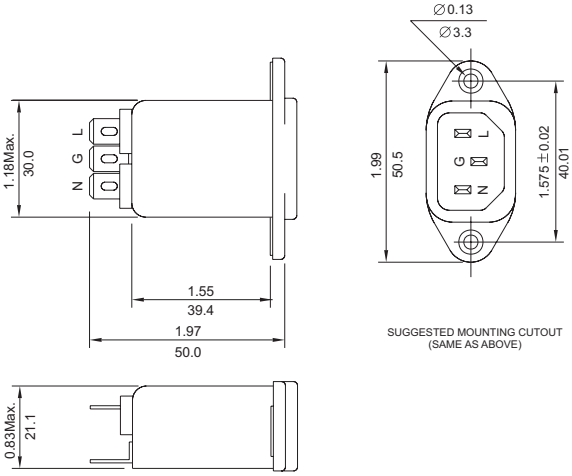


EG3HA(D), EG3HAX(D)
EG3E(D), EG3E-R(D)





EG3M(D)



UNIT: INCH / mm

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