



**THE DATASHEET OF  
02BEEG3H**



## INTRODUCTIONS

1. Designed as a general purpose filter with a fuse holder providing effective EMI suppression for both common and differential mode noise.
2. All part numbers are UL recognized, CSA certified and VDE approved.

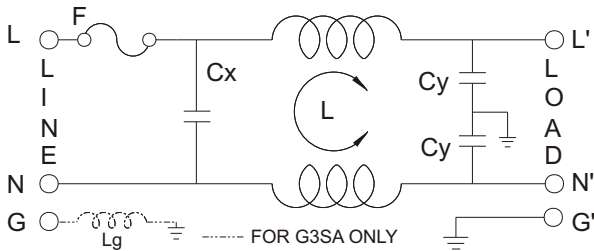
## COMPONENTS

PART NO.	Cx (uF)	L (mH)	Cy (pF)	Lg (mH)
02BEEG3H	0.1	2.4	3300	-
04BEEG3H		2.8		
04BEEG3S	0.015	0.7	2200	0.4
04BEEG3SA	0.1			
06BEEG3H		1.3	3300	-

## MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
2A	25	35	40	55	55	55
4A	26	30	40	50	55	45
4A(S)	26	30	40	50	55	45
6A	20	30	35	50	55	45
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
2A	6	15	25	40	45	45
4A	6	15	25	40	45	45
4A(S)	1	5	12	30	40	40
6A	6	15	20	40	45	45

## ELECTRICAL SCHEMATIC



## MECHANICAL CONSTRUCTION



EG3H, EG3S

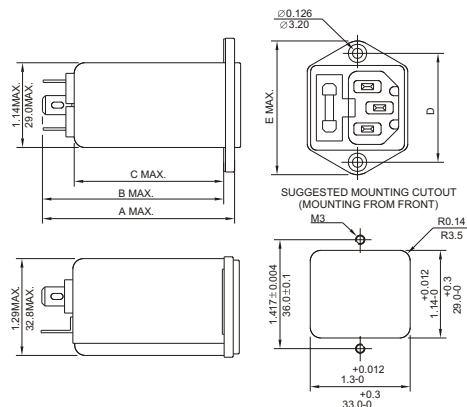
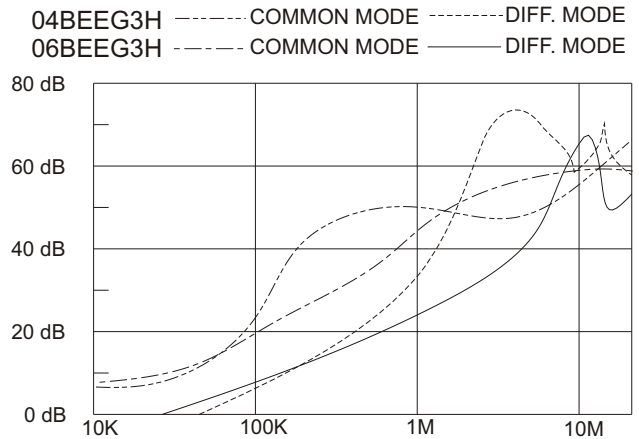
## SPECIFICATIONS

1. Maximum leakage current each  
line-to-ground @ 115VAC 60Hz: 0.25mA  
@ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute)  
line-to-ground: 2250VDC  
line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

## SERIES DIMENSIONS

DELTA PART NO.	STYLE	DIMENSIONS IN INCHES/mm				
		A	B	C	D	E
02BEEG3H	EG3H					
04BEEG3H	EG3H	2.56 65.0	2.42 61.5	2.00 50.8	1.417 35.99	1.75 44.5
06BEEG3H	EG3H					
04BEEG3S/A	EG3S	2.25 57.2	2.1 53.3	1.65 41.91		

## INSERTION LOSS (TYPICAL)



UNIT: INCH  
mm

## INTRODUCTIONS

1. Designed as a general purpose filter with a fuse holder providing effective EMI suppression for both common and differential mode noise.
2. All part numbers are UL recognized, CSA certified and VDE approved.
3. Bleeder resistor is added with suffix "-R".
4. With optional Y CAP. from 100pF ~ 4700pF.

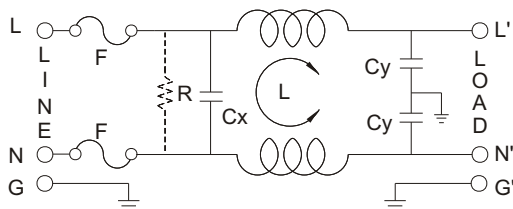
## COMPONENTS

PART NO.	Cx (uF)	L (mH)	Cy (pF)	R(Ω)
02BEEG3F/-R	0.1	4.0	3300	1M
04BEEG3F/-R		1.8		
06BEEG3F/-R		0.8		

## MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
2A	29	38	40	42	43	41
4A	19	30	32	42	42	39
6A	13	22	26	38	42	38
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
2A	5	19	28	48	51	50
4A	5	14	21	48	48	42
6A	5	12	15	40	46	38

## ELECTRICAL SCHEMATIC



## MECHANICAL CONSTRUCTION



BEEG3F

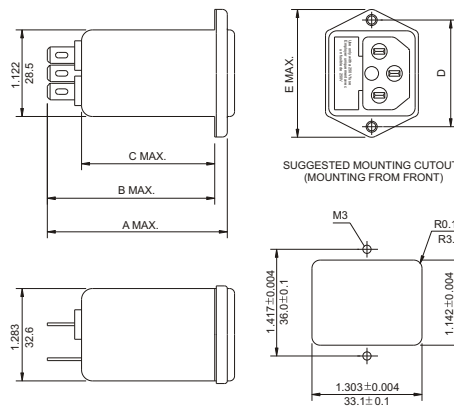
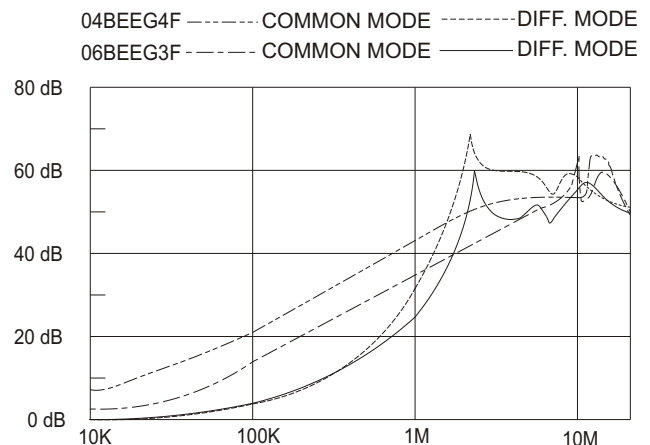
## SPECIFICATIONS

1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.25mA @ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute) line-to-ground: 2250VDC line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

## SERIES DIMENSIONS

DELTA PART NO.	STYLE	DIMENSIONS IN INCHES/mm				
		A	B	C	D	E
02BEEG3F	EG3F	2.263	2.106	1.66	1.42	1.74
04BEEG3F	EG3F	57.5	53.5	42.0	36.0	44.0
06BEEG3F	EG3F					

## INSERTION LOSS (TYPICAL)



UNIT: INCH  
mm

## INTRODUCTIONS

1. Designed as a general purpose filter with a switch effective EMI suppression for both common and differential mode noise.
2. With optional resistor and 3300pF/1000pF
3. Bleeder resistor is added with suffix "-R".
4. Switch electrical lifetime : 10,000 cycles.  
Maximum inrush current : 50A.

## COMPONENTS

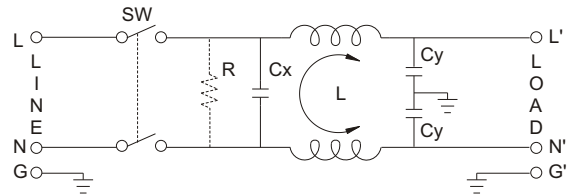
PART NO.	Cx (uF)	L (mH)	Cy (pF)	R (Ω)	Lg (mH)
03BEEG3G/NG3G/-R	0.1	2.4	2200	1M	0.12
03BEEG3GA/NG3GA/-R					
06BEEG3G/NG3G/-R		0.8			
06BEEG3GA/NG3GA/-R					
10BEEG3G/NG3G/-R		0.3			
10BEEG3GA/NG3GA/-R					

A: with ground choke

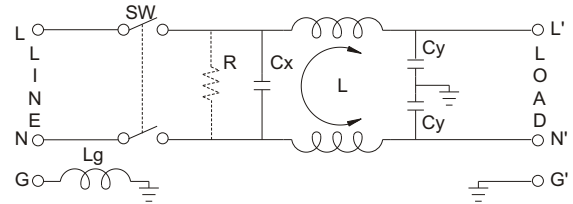
## SPECIFICATIONS

1. Maximum leakage current each  
line-to-ground @ 115VAC 60Hz: 0.25mA  
@ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute)  
line-to-ground: 2250VDC  
line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

## ELECTRICAL SCHEMATIC



R: OPTION



3GA ONLY

## MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
3A (G) (A)	20	30	35	35	35	35
6A (G) (A)	10	20	25	35	40	35
10A (G) (A)	5	10	20	30	35	35
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
3A (G) (A)	4	10	20	35	35	40
6A (G) (A)	4	10	10	35	35	40
10A (G) (A)	5	10	20	30	35	35

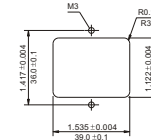
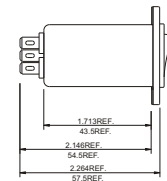
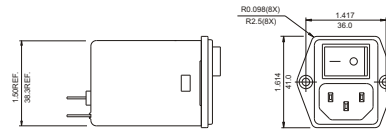
## MECHANICAL CONSTRUCTION



BENG3G

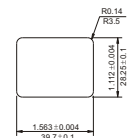
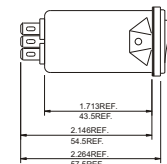
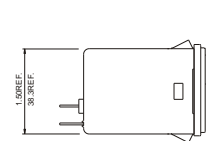


BEEG3G



SUGGESTED MOUNTING CUTOUT (MOUNTING FROM FRONT)

BEEG3G



SUGGESTED MOUNTING CUTOUT (MOUNTING FROM FRONT)





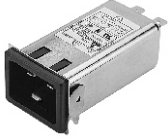
Suggested thickness of mounting panel is from 0.04(1.0) to 0.63(1.6) inch(mm) of mounting cutout

UNIT: INCH  
mm





BENG3G

# Medical Filter




## DE & GE Series IEC INLET FILTERS

PRODUCT TYPE	EG3BM/EG3QM	NG3QM	NG3QM(H)	20GEEG3EM	20GENG3EM
PICTURE					
CURRENT RATING	1/3/6/10A	3/6/10A	3/6/10A	20A	20A



## KE / KEN Series HIGH PERFORMANCE IEC INLET / SNAP-IN FILTERS

PRODUCT TYPE	G3EAM/G3SAM	W3EAM/W3SAM	G3EAM/G3SAM	W3EAM/W3SAM
PICTURE				
CURRENT RATING	3/8(6)/10A	3/8(6)/10A	3/8(6)/10A	3/8(6)/10A




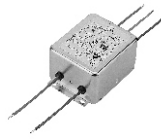

## BE Series SWITCH / DUAL-FUSE IEC INLET FILTERS

PRODUCT TYPE	BENG3GM	BEEG3GM	BEEG3FM
PICTURE			
CURRENT RATING	3/6/10A	3/6/10A	2/4/6A

## NB Series POWER ENTRY MODULE FILTERS



PRODUCT TYPE	NB3M	NB4M
PICTURE		
CURRENT RATING	3/4/6A	3/4/6A

## DC Series 2-STAGE HIGH PERFORMANCE FILTERS



PRODUCT TYPE	CG5BM	CW5BM	GG5BM	GW5BM	GS5BM
PICTURE					
CURRENT RATING	3/6/12A	3/6/12A	16A	16A	16A







# Medical Filter

## EK Series POWER ENTRY MODULE FILTERS

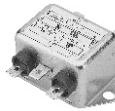




PRODUCT TYPE	EK3M/AM/SM/SAM	EK4M/AM/SM/SAM
PICTURE		
CURRENT RATING	3/6/10A	3/6/10A

## DP Series 2-STAGE PERFORMANCE FILTERS

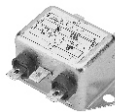




PRODUCT TYPE	CG5CM	CS5CM
PICTURE		
CURRENT RATING	3/6/12/16/20A	16/20A

GS5CM	CG5BM	CW5CM, CW5BM	GG5BM	GW5BM	GS5BM
					
30A	3/6/12A	3/6/12A	16A	16A	16A


## DK Series GENERAL PURPOSE FILTERS

PRODUCT TYPE	BG5BM	CG5BM	CW5BM	CS5BM	BW5BM
PICTURE					
CURRENT RATING	3/6/12A	16/20A	16A	20/30A	3/6/12A

## DB Series GENERAL PURPOSE FILTERS

PRODUCT TYPE	BG5BM	BW5BM	CG5BM	CW5BM	CS5BM
PICTURE					
CURRENT RATING	12A	12A	16A	16A	20/30A

## MK Series HIGH PERFORMANCE PC BOARD MOUNTING FILTERS

PRODUCT TYPE	MK4EM
PICTURE	
CURRENT RATING	1/3/6/10A

Remark: Please refer safety approval of Medical Filter to individual series.

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