



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# GKN SERIES

# SNAP-IN MOUNTING HIGH PERFORMANCE IEC CONNECTOR FILTERS

## INTRODUCTIONS

1. Specially designed with additional X capacitor providing most effective EMI suppression for low frequency noise (ranged 150KHz-500KHz).
2. Bleeder resistor can be added with suffix "-R" on part numbers.
3. With optional Y capacitor from 100pF to 3300pF.
4. All part numbers are UL recognized, CSA certified and VDE approved.

## SPECIFICATIONS

1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.2mA @ 250VAC 50Hz: 0.4mA
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.	L (mH)	Cx (uF)	Cy (pF)
03GKNG3E/03GKNW3E	3.1	0.1	2200
06GKNG3E/06GKNW3E	1.2	0.1	
10GKNG3E/10GKNW3E	0.36	0.1	

• VDE approved to 9A/250V

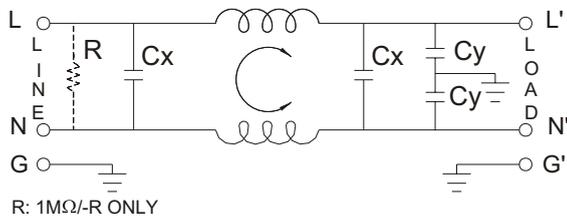
## MINIMUM INSERTION LOSS IN dB

PART NO.	COMMON MODE (L-G) IN 50 OHM SYSTEM					
	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
03GKNG3E/03GKNW3E	20	25	30	40	40	50
06GKNG3E/06GKNW3E	12	20	25	35	45	45
10GKNG3E/10GKNW3E	7	10	15	30	35	50

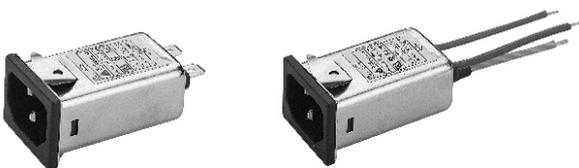
  

PART NO.	DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM					
	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
03GKNG3E/03GKNW3E	5	25	50	55	53	45
06GKNG3E/06GKNW3E	7	20	35	50	50	40
10GKNG3E/10GKNW3E	7	9	25	50	45	35

## ELECTRICAL SCHEMATIC



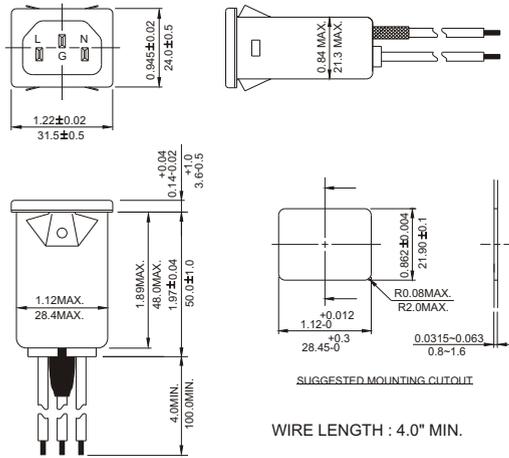
## MECHANICAL CONSTRUCTION



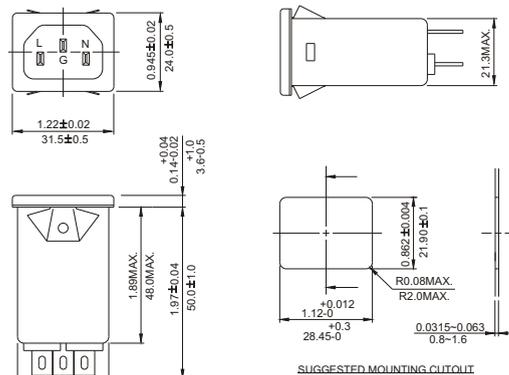
G3E

W3E

Suggested thickness of mounting panel is from 0.0315 (0.8) to 0.063 (1.6) inch(mm) of mounting cutout



W3E



G3E

UNIT: INCH/mm