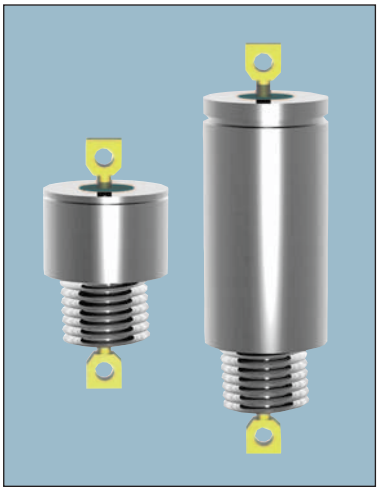
Cylindrical Style EMI Filters
GK Series – .375/.410 Dia.
Hermetically Sealed – Circuits Available – C, L, π, T



APPLICATIONS

The GK series offers effective filtering from 30 KHz to 10 GHz. Glass sealed for hermeticity, this series is impervious to high moisture, solvents, or other severe environmental conditions commonly encountered in military applications. It is designed for bulkhead mounting in a slotted hole with nut and lockwasher supplied.

The "L" and "T" configurations are designed to provide effective attenuation over a wide range of circuit impedances. For current ratings under 10 Amps toroidal wound inductor elements offer increased filter performance and protection against circuit transients. Data showing the actual inductance versus various levels of DC or AC bias current are available as well as the attenuation in any combination of source and load impedances.

Alternate lead configurations or special capacitance/inductance values may be ordered.

Custom packages or filter arrays utilizing the GK series can be furnished.

CHARACTERISTICS

- .410 Dia. version (HK) meets or exceeds the applicable requirements of MIL-F-28861/2,/3,/4,/5. See QPL listing.
- Glass hermetic seal on both ends.
- Wound toroidal inductor used in current ratings up through 5 Amps. Ferrite bead inductor used in 10 and 15 Amp designs.
- High DC current rating: 15 Amps.
- High capacitance values available.

SPECIFICATIONS

1. Case/Terminal Plating:
   Electro-tin standard –
   Silver or gold available
2. Material:
   Case: Brass standard – Steel available
   End Seal: Mild steel
   Terminals: Nickel-iron alloy
3. Operating Temperature Range:
   -55°C to +125°C
4. Electrical Characteristics:
   A. Rated Voltage and Current: See chart
   B. Insulation Resistance:
      At 25°C: 1,000 megohm-microfarad min., or 50,000 megohms min., whichever is less, at the rated DC voltage
      At 125°C: 100 megohm-microfarad min., or 5,000 megohms min., whichever is less
   C. Dielectric Withstanding Voltage (DWV):
      R-level designs:
      2.0 times rated DC voltage
      Class B, Class S designs:
      2.5 times rated DC voltage
   D. Capacitance: Total capacitance listed in chart for each filter type is "guaranteed minimum value" (GMV)
5. Marking:
   Standard Marking: AVX, AVX part number, rated current, voltage, lot code, schematic

NOTE: Schematic to indicate location of inductor (standard or reverse) for GK2 L-Section Filters.

See Reliability Codes section for definition of Reliability Level marking. See How to Order section for part number construction.

6. Installation:
   A. Mounting Torque: 44 oz-in. ± 4 oz-in.
   B. Refer to "Installation, Handling, Hardware Options" section of the catalog.

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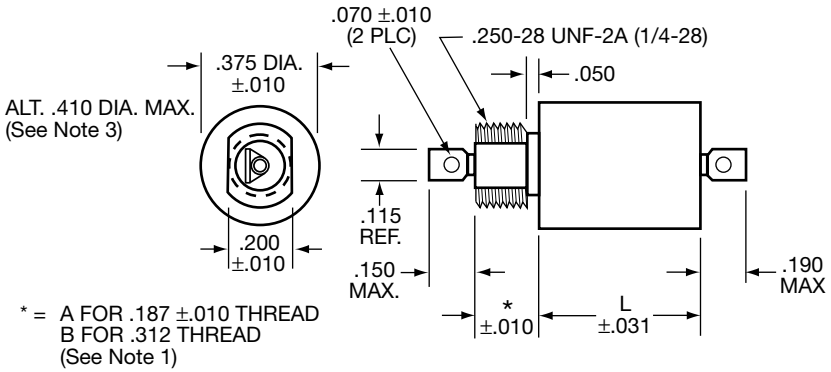
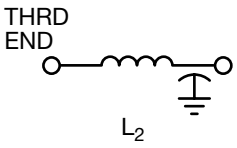
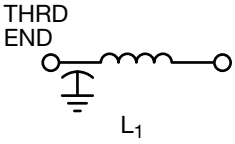
STANDARD CONFIGURATION



CIRCUIT DIAGRAMS



GK2 - Standard



GK2 - Reverse

GK3

GK4

millimeters (inches)

0.25 (.010)	4.75 (.187)
0.79 (.031)	4.83 (.190)
1.27 (.050)	5.08 (.200)
1.78 (.070)	7.93 (.312)
2.92 (.115)	9.53 (.375)
3.81 (.150)	13.72 (.540)

(See Note 2)

Notes:

1. Thread length option. Standard part numbers shown (e.g., GK2BA-S02) are .187" thread length. Optional .312 length available (e.g., GK2BB-S02).
2. Metric equivalent dimensions given for information only.
3. All QPL MIL-F-28861, and Hi-rel, will be supplied with .410 diameter (HK). See applicable slash sheet for mechanical dimensions.

* = A for .187 ±.010 Thread
B for .312 Thread
(See Note 1)

Cylindrical Style EMI Filters
GK Series – .375/.410 Dia. – Hermetically Sealed – Circuits Available – L, π, T

SPECIFICATIONS

					Insertion Loss[2] Per MIL-STD-220, +25°C							
AVX P/N	Current AMP	CKT	L. dim	DCR	10 KHz	30 KHz	150 KHz	300 KHz	1 MHz	10 MHz	100 MHz	1 GHz
50 VDC, 1.4 µF												
GK2CA-S01	.06	L2	.540	12	16	44	70	70	70	70	70	70
GK2CA-S02	.1	L2	.540	10	15	34	62	70	70	70	70	70
GK2CA-S03	.15	L2	.540	4	7	24	52	64	70	70	70	70
GK2CA-S04	.25	L2	.540	4	6	25	53	65	70	70	70	70
GK2CA-S05	.30	L2	.540	0.5	5	16	35	45	66	70	70	70
GK2CA-S06	.45	L2	.540	0.3	5	15	33	44	65	70	70	70
GK2CA-S07	.50	L2	.540	1	5	16	41	54	70	70	70	70
GK2CA-S08	1.0	L2	.540	.25	5	15	31	42	63	70	70	70
GK2CA-S09	2.0	L2	.540	.063	5	15	28	35	51	70	70	70
GK2CA-S10	3.0	L2	.540	.027	5	15	28	34	45	70	70	70
GK2CA-S12	10	L2	.540	.008	5	15	28	34	44	52	65	65
GK3CA-P02	.1	π	.540	10	12	44	70	70	70	70	70	70
GK3CA-P04	.25	π	.540	4	8	36	70	70	70	70	70	70
GK3CA-P07	.5	π	.540	1	7	24	66	70	70	70	70	70
GK3CA-P08	1	π	.540	.25	5	15	54	70	70	70	70	70
GK3CA-P09	2	π	.540	.063	5	15	40	60	70	70	70	70
GK3CA-P10	3	π	.540	.027	5	15	30	50	70	70	70	70
GK3CA-P12	10	π	.540	.008	5	15	28	34	40	52	70	70
GK4CA-T08	1	T	1.020	.5	5	16	34	56	70	70	70	70
GK4CA-T09	2	T	1.020	.09	5	15	26	37	61	70	70	70
GK4CA-T16	4	T	1.020	.03	5	15	26	34	47	70	70	70
GK4CA-T12	10	T	1.020	.008	5	17	27	34	44	60	70	70

[2] Insertion loss limits are based on theoretical values. Actual measurements may vary due to internal capacitor resonances and other design constraints.

NOTE: All "L2" circuits are also available as "L1". Insertion loss and other parameters are identical. Only the part number changes (e.g., L2 = GK2LA-S04, L1 = GK2LA-R04).

Cylindrical Style EMI Filters
GK Series – .375/.410 Dia. – Hermetically Sealed – Circuits Available – L, π, T

SPECIFICATIONS

						Insertion Loss[2] Per MIL-STD-220, +25°C									
AVX P/N	Current AMP	CKT	L. dim	CAP[1]	DCR	15 KHz	30 KHz	50 KHz	100 KHz	150 KHz	300 KHz	1 MHz	10 MHz	100 MHz	1 GHz
70 VDC, .7–1.4 µF															
GK2NA-S02	.1	L2	.540	.7	1.7	9	20	29	41	48	60	70	70	70	70
GK2NA-S05	.3	L2	.540	.7	.77	6	15	23	35	42	54	70	70	70	70
GK2NA-S07	.5	L2	.540	.7	.36	5	12	19	29	36	48	69	70	70	70
GK2NA-S08	1	L2	.540	.7	.14	5	11	15	21	26	36	55	70	70	70
GK2NA-S10	3	L2	.540	.7	.05	5	10	14	20	24	31	45	70	70	70
GK2NA-S11	5	L2	.540	.7	.015	–	–	–	14	17	24	36	60	70	70
GK2NA-S12	10	L2	.540	.7	.008	–	10	14	20	24	30	40	40	64	70
GK3NA-P02	.1	π	.540	1.4	1.7	15	36	50	69	79	80	80	80	80	80
GK3NA-P05	.3	π	.540	1.4	.77	–	29	44	62	73	80	80	80	80	80
GK3NA-P07	.5	π	.540	1.4	.36	–	21	37	56	67	80	80	80	80	80
GK3NA-P08	1	π	.540	1.4	.14	–	–	20	46	57	75	80	80	80	80
GK3NA-P10	3	π	.540	1.4	.05	–	–	–	17	36	51	80	80	80	80
GK3NA-P11	5	π	.540	1.4	.015	–	–	–	–	16	38	75	80	80	80
GK3NA-P12	10	π	.540	1.4	.008	5	15	20	24	28	34	40	52	80	80
GK4NA-T08	1	T	1.020	.75	–	–	10	15	21	26	49	70	70	70	70
GK4NA-T09	2	T	1.020	.75	–	–	10	13	17	20	32	55	70	70	70
GK4NA-T16	4	T	1.020	.75	–	–	9	12	15	19	29	42	70	70	70
GK4NA-T12	10	T	1.020	.75	–	–	9	12	15	19	28	38	55	70	70

[1] Decimal point values indicate capacitance in microfarads.
Non-decimal point values indicate capacitance in picofarads.

[2] Insertion loss limits are based on theoretical values.
Actual measurements may vary due to internal capacitor resonances and other design constraints.

NOTE: All "L2" circuits are also available as "L1".
Insertion loss and other parameters are identical.
Only the part number changes
(e.g., L2 = GK2LA-S04, L1 = GK2LA-R04).

Cylindrical Style EMI Filters

GK Series – .375/.410 Dia. – Hermetically Sealed – Circuits Available – L, π

SPECIFICATIONS

						Insertion Loss[2] Per MIL-STD-220, +25°C							
AVX P/N	Current AMP	CKT	L. dim	CAP[1]	DCR	10 KHz	30 KHz	150 KHz	300 KHz	1 MHz	10 MHz	100 MHz	1 GHz
100 VDC, .45–1.4 µF													
GK2AA-S01	.06	L2	.540	1.4	12	15	44	70	70	70	70	70	70
GK2AA-S02	.1	L2	.540	1.4	10	12	34	62	70	70	70	70	70
GK2AA-S03	.15	L2	.540	1.4	4	7	24	52	64	70	70	70	70
GK2AA-S05	.3	L2	.540	1.4	.5	–	14	35	45	66	70	70	70
GK2AA-S06	.45	L2	.540	1.4	.3	–	14	33	44	65	70	70	70
GK2AA-S07	.5	L2	.540	1.4	1	–	16	41	54	70	70	70	70
GK2AA-S09	2	L2	.540	1.4	.063	–	15	28	35	51	70	70	70
GK2AA-S12	10	L2	.540	1.4	.008	–	14	28	33	44	52	70	70
GK3AA-P02	.1	π	.540	1.0	10	12	40	70	70	70	70	70	70
GK3AA-P07	.5	π	.540	1.0	1	–	18	60	70	70	70	70	70
GK3AA-P09	2	π	.540	1.0	.063	–	9	36	53	70	70	70	70
GK3AA-P12	10	π	1.020	1.0	.008	–	9	24	29	40	70	70	70
GK4AA-T08	1	T	1.020	.75	.5	–	10	25	49	70	70	70	70
GK4AA-T09	2	T	1.020	.75	.09	–	10	20	32	56	70	70	70
GK4AA-T16	4	T	1.020	.75	.03	–	10	19	29	42	70	70	70
GK4AA-T12	10	T	1.020	.75	.008	–	9	19	28	39	58	65	65
GK2AA-S04	.25	L2	.540	.45	1.5	–	–	38	50	60	60	60	60
GK3AA-P04	.25	π	.540	.90	1.5	–	–	64	80	80	80	80	80
GK2AA-S08	1.0	L2	.540	.45	.25	–	–	23	34	55	60	60	60
GK3AA-P08	1.0	π	.540	.90	.25	–	–	52	70	80	80	80	80
GK2AA-S10	3.0	L2	.540	.45	.05	–	–	18	27	45	60	60	60
GK3AA-P10	3.0	π	.540	.90	.05	–	–	25	51	80	80	80	80
GK2AA-S11	5.0	L2	.540	.45	.015	–	–	17	24	36	60	60	60
GK3AA-P11	5.0	π	.540	.90	.015	–	–	–	38	75	80	80	80

[1] Decimal point values indicate capacitance in microfarads. Non-decimal point values indicate capacitance in picofarads.

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Cylindrical Style EMI Filters
GK Series – .375/.410 Dia. – Hermetically Sealed – Circuits Available – L, π, T

SPECIFICATIONS

						Insertion Loss[2] Per MIL-STD-220, +25°C						
AVX P/N	Current AMP	CKT	L. dim	CAP[1]	DCR	100 KHz	150 KHz	300 KHz	1 MHz	10 MHz	100 MHz	1 GHz
150 VDC, .25–.50 µF												
GK2HA-S02	.1	L2	.540	.25	1.7	32	39	51	60	60	60	70
GK2HA-S05	.3	L2	.540	.25	.77	25	30	44	60	60	60	70
GK2HA-S07	.5	L2	.540	.25	36	20	26	39	59	60	60	70
GK2HA-S08	1.0	L2	.540	.25	14	12	16	26	48	60	60	70
GK2HA-S10	3.0	L2	.540	.25	.05	11	15	20	36	60	60	70
GK2HA-S11	5.0	L2	.540	.25	.015	8	12	20	32	60	60	70
GK2HA-S12	10.0	L2	.540	.25	.008	6	12	20	32	40	56	70
GK3HA-P02	0.1	π	.540	.50	1.7	49	60	70	80	80	80	80
GK3HA-P05	0.3	π	.540	.50	.77	43	53	70	80	80	80	80
GK3HA-P07	0.5	π	.540	.50	.36	37	48	66	80	80	80	80
GK3HA-P08	1.0	π	.540	.50	.14	28	40	58	80	80	80	80
GK3HA-P10	3.0	π	.540	.50	.05	–	–	38	70	80	80	80
GK3HA-P11	5.0	π	.540	.50	.015	–	–	20	63	80	80	80
GK3HA-P12	10.0	π	.540	.50	.008	–	–	15	35	60	80	80
GK4HA-T08	1	T	1.020	.25	.5	15	23	42	70	80	80	80
GK4HA-T09	2	T	1.020	.25	.09	9	13	32	50	70	80	80
GK4HA-T16	4	T	1.020	.25	.03	6	10	21	40	60	80	80
GK4HA-T12	10	T	1.020	.25	.006	–	9	21	28	44	60	80

200 VDC, .15–.36 µF													
AVX P/N	Current AMP	CKT	L. dim	CAP[1]	DCR	10 KHz	30 KHz	150 KHz	300 KHz	1 MHz	10 MHz	100 MHz	1 GHz
GK2BA-S02	.1	L2	.540	.15	10	–	21	50	61	70	70	70	70
GK2BA-S04	.25	L2	.540	.15	.4	–	11	39	51	70	70	70	70
GK2BA-S07	.5	L2	.540	.15	1	–	3	29	41	63	70	70	70
GK2BA-S08	1	L2	.540	.15	.25	–	–	18	28	49	70	70	70
GK2BA-S09	2	L2	.540	.15	.063	–	–	15	21	38	70	70	70
GK2BA-S10	3	L2	.540	.15	.027	–	–	15	21	31	70	70	70
GK2BA-S12	10	L2	.540	.15	.008	–	–	15	21	31	51	60	60
GK3BA-P02	.1	π	.540	.36	10	–	21	61	70	70	70	70	70
GK3BA-P04	.25	π	.540	.36	4	–	10	52	68	70	70	70	70
GK3BA-P07	.5	π	.540	.36	1	–	–	44	63	70	70	70	70
GK3BA-P08	1	π	.540	.36	.25	–	–	30	46	70	70	70	70
GK3BA-P09	2	π	.540	.36	.063	–	–	16	33	63	70	70	70
GK3BA-P10	3	π	.540	.36	.027	–	–	–	21	55	70	70	70
GK3BA-P12	10	π	.540	.36	.008	–	–	–	20	30	60	70	70
GK4BA-T08	1	T	1.020	.15	.5	–	3	17	42	70	70	70	70
GK4BA-T09	2	T	1.020	.15	.09	–	–	12	24	48	70	70	70
GK4BA-T16	4	T	1.020	.15	.03	–	–	12	21	34	70	70	70
GK4BA-T12	10	T	1.020	.15	.008	–	3	12	21	31	50	60	60

[1] Decimal point values indicate capacitance in microfarads. Non-decimal point values indicate capacitance in picofarads.

[2] Insertion loss limits are based on theoretical values.
Actual measurements may vary due to internal capacitor resonances and other design constraints.

NOTE: All "L2" circuits are also available as "L1". Insertion loss and other parameters are identical. Only the part number changes (e.g., L2 = GK2LA-S04, L1 = GK2LA-R04).

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SPECIFICATIONS

						Insertion Loss[2] Per MIL-STD-220, +25°C							
AVX P/N	Current AMP	CKT	L. dim	CAP[1]	DCR	10 KHz	30 KHz	150 KHz	300 KHz	1 MHz	10 MHz	100 MHz	1 GHz
200 VDC (125 VAC/400 Hz) .15–.30 µF													
GK2LA-S02	.1	L2	.540	.15	10	–	14	42	54	70	70	70	70
GK2LA-S07	.5	L2	.540	.15	1	–	–	23	35	56	70	70	70
GK2LA-S09	2	L2	.540	.15	.063	–	–	8	14	30	70	70	70
GK2LA-S12	10	L2	.540	.15	.008	–	–	8	14	25	45	60	60
GK3LA-P02	.1	π	.540	.3	10	–	21	60	70	70	70	70	70
GK3LA-P07	.5	π	.540	.3	1	–	–	40	56	70	70	70	70
GK3LA-P10	3	π	.540	.3	.027	–	–	–	25	54	70	70	70
GK3LA-P12	10	π	.540	.3	.008	–	–	–	20	30	70	70	70
GK2LA-S04	.25	L2	.540	.15	1.5	–	6	28	40	60	60	60	70
GK2LA-S08	1	L2	.540	.15	.25	–	–	13	24	45	60	60	70
GK2LA-S10	3	L1	.540	.15	.05	–	–	8	16	30	60	60	70
GK2LA-S11	5	L2	.540	.15	.015	–	–	8	14	26	55	55	70
GK3LA-P04	.25	π	.540	.3	1.5	–	8	44	62	80	80	80	80
GK3LA-P08	1	π	.540	.3	.25	–	–	32	50	80	80	80	80
GK3LA-P10	3	π	.540	.3	.05	–	–	–	19	59	80	80	80
GK3LA-P11	5	π	.540	.3	.015	–	–	–	–	51	80	80	80
GK4LA-T08	1	T	1.020	.15	.5	–	–	10	36	66	70	70	70
GK4LA-T09	2	T	1.020	.15	.09	–	–	7	18	41	70	70	70
GK4LA-T16	4	T	1.020	.15	.03	–	–	8	15	27	70	70	70
GK4LA-T12	10	T	1.020	.15	.008	–	–	8	15	25	70	70	70

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(e.g., L2 = GK2LA-S04, L1 = GK2LA-R04).

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru