GLMR47KAT1A



AVX, the industry leader, in introducing the new GLM Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

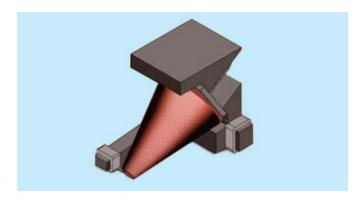
The GLM is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:
 9.5 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.5 dB, typ.
- Return Loss (shunt mounted: > 20 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 0.47 µH ±10%
- Rated Current (R_{DC} max.): 815 mA*
- Resistance (I_{DC} max.): 0.19 Ω, typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

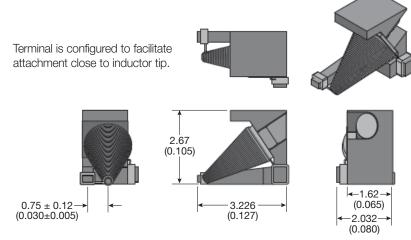
Notes:

Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

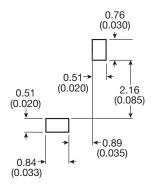
Current Rating: based on a 100°C temperature rise from a 25°C ambient

Wire: Copper, plated with gold 20 μ in. $\pm 5 \mu$ in.

DIMENSIONS mm (inches)



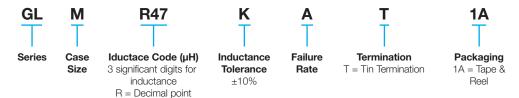
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
М	3.226 (0.127)	2.032 (0.080)	2.670 (0.105)	38	22



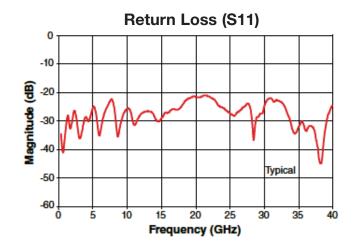














GLMR70KAT1A



AVX, the industry leader, in introducing the new GLM Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

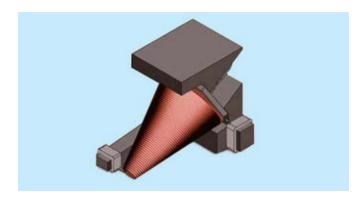
The GLM is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:6.6 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.5 dB, typ.
- Return Loss (shunt mounted: > 20 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 0.70 µH ±10%
- Rated Current (R_{DC} max.): 619 mA*
- Resistance (I_{DC} max.): 0.32 Ω , typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

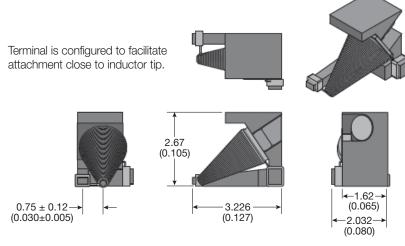
Notes:

Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

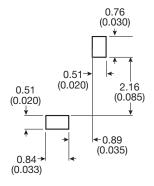
Current Rating: based on a 100°C temperature rise from a 25°C ambient

Wire: Copper, plated with gold 20 μ in. $\pm 5 \mu$ in.

DIMENSIONS mm (inches)



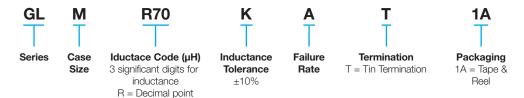
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
М	3.226 (0.127)	2.032 (0.080)	2.670 (0.105)	40	27



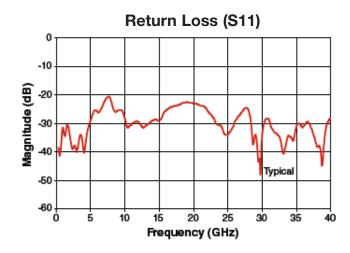














Ultra-Broadband SMT Inductor GLM1R1KAT1A



AVX, the industry leader, in introducing the new GLM Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

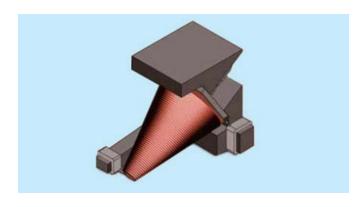
The GLM is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:
 3.3 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.6 dB, typ.
- Return Loss (shunt mounted: > 22 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 1.10 µH ±10%
- Rated Current (R_{DC} max.): 438 mA*
- Resistance (I_{DC} max.): 0.64 Ω, typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

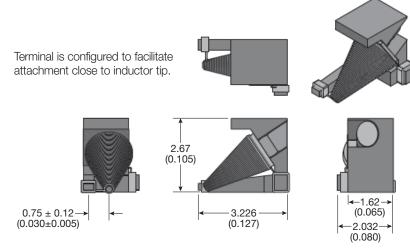
Notes:

Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

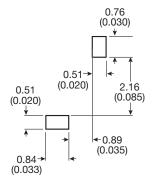
Current Rating: based on a 100°C temperature rise from a 25°C ambient

Wire: Copper, plated with gold 20 μ in. $\pm 5 \mu$ in.

DIMENSIONS mm (inches)



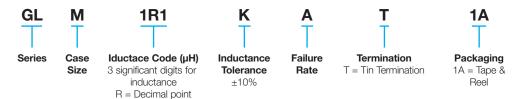
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
М	3.226 (0.127)	2.032 (0.080)	2.670 (0.105)	42	34



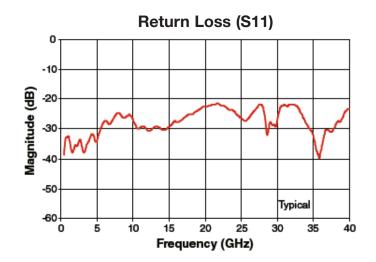


Ultra-Broadband SMT Inductor **GLM1R1KAT1A**











GLM2R0KAT1A



AVX, the industry leader, in introducing the new GLM Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

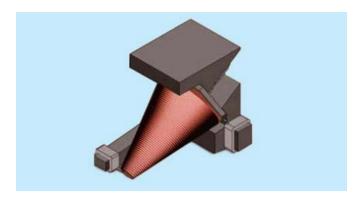
The GLM is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:2.1 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.4 dB, typ.
- Return Loss (shunt mounted: > 20 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 2.00 µH ±10%
- Rated Current (R_{DC} max.): 277 mA*
- Resistance (I_{DC} max.): 1.60 Ω , typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

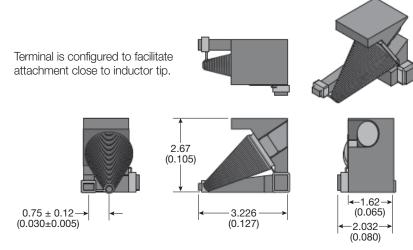
Notes:

Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

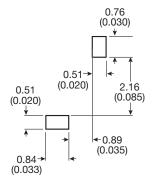
Current Rating: based on a 100°C temperature rise from a 25°C ambient

Wire: Copper, plated with gold 20 μ in. $\pm 5~\mu$ in.

DIMENSIONS mm (inches)



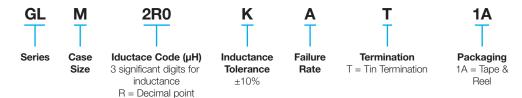
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
М	3.226 (0.127)	2.032 (0.080)	2.670 (0.105)	44	46



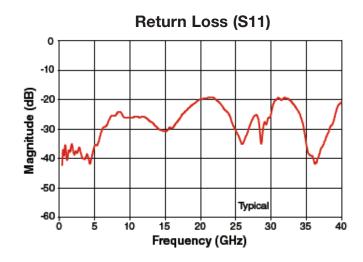












GLM3R8KAT1A



AVX, the industry leader, in introducing the new GLM Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

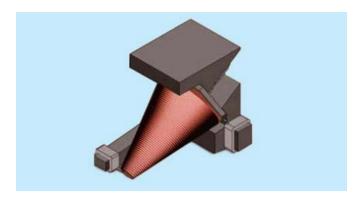
The GLM is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:
 1.1 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.4 dB, typ.
- Return Loss (shunt mounted: > 25 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 3.8 µH ±10%
- Rated Current (R_{DC} max.): 182 mA*
- Resistance (I_{DC} max.): 3.70 Ω, typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

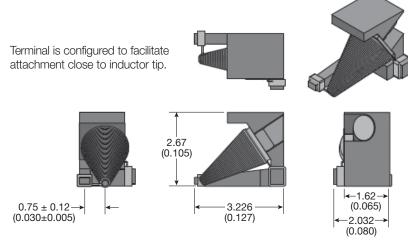
Notes:

Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

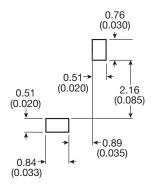
Current Rating: based on a 100°C temperature rise from a 25°C ambient

Wire: Copper, plated with gold 20 μ in. $\pm 5~\mu$ in.

DIMENSIONS mm (inches)



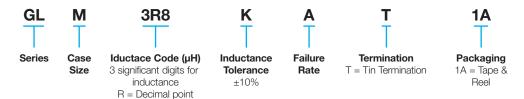
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
М	3.226 (0.127)	2.032 (0.080)	2.670 (0.105)	47	60



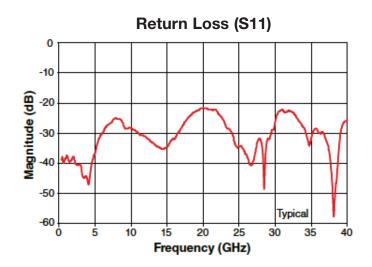














GLN1R47KAT1A



AVX, the industry leader, in introducing the new GLN Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

The GLN is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

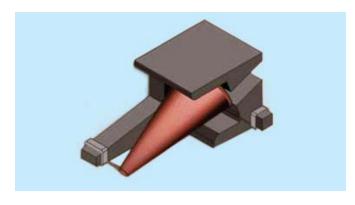
FEATURES

- Operating Frequency:
 2.8 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.4 dB, typ.
- Return Loss (shunt mounted: > 17 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core

attachment close to inductor tip.



ELECTRICAL SPECIFICATION

- Inductance: 1.47 µH ±10%
- Rated Current (R_{DC} max.): 694 mA*
- Resistance (I_{DC} max.): 0.33 Ω, typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

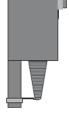
Notes:

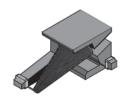
Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

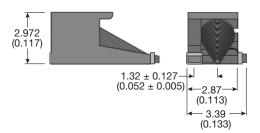
Current Rating: based on a 100°C temperature rise from a 25°C ambient

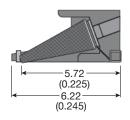
Wire: Copper, plated with gold 20 μ in. $\pm 5~\mu$ in.

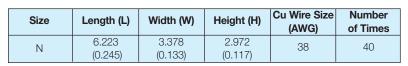
DIMENSIONS mm (inches) Terminal is configured to facilitate

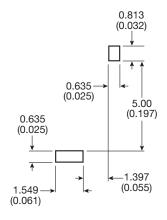








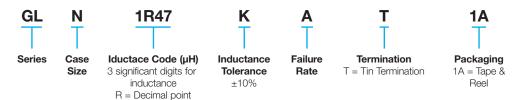




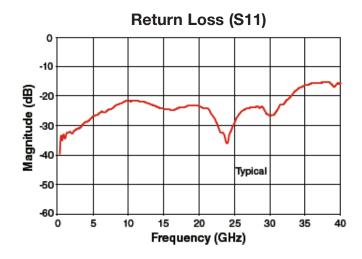












GLN2R0KAT1A



AVX, the industry leader, in introducing the new GLN Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

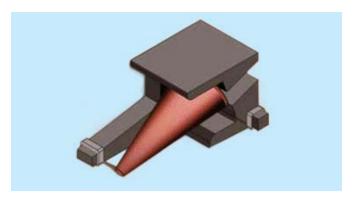
The GLN is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency: 1.6 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.5 dB, typ.
- Return Loss (shunt mounted: > 17 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 2.00 µH ±10%
- Rated Current (R_{DC} max.): 494 mA*
- Resistance (I_{DC} max.): 0.65 Ω , typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

Notes:

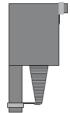
Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

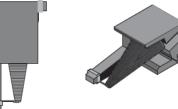
Current Rating: based on a 100°C temperature rise from a 25°C ambient

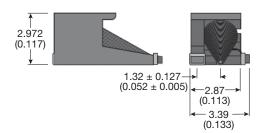
Wire: Copper, plated with gold 20 μ in. $\pm 5 \mu$ in.

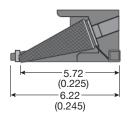
DIMENSIONS mm (inches)

Terminal is configured to facilitate attachment close to inductor tip.

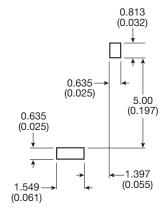








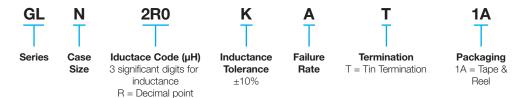
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
N	6.223 (0.245)	3.378 (0.133)	2.972 (0.117)	40	48

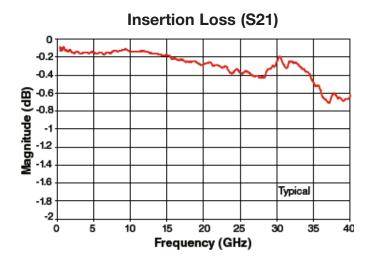
















GLN3R3KAT1A



AVX, the industry leader, in introducing the new GLN Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

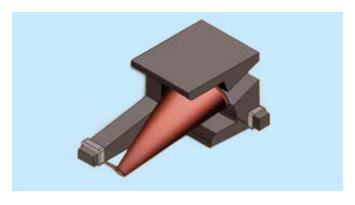
The GLN is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:
 1.3 MHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.5 dB, typ.
- Return Loss (shunt mounted: > 17 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 3.30 µH ±10%
- Rated Current (R_{DC} max.): 350 mA*
- Resistance (I_{DC} max.): 1.29 Ω , typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

Notes:

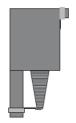
Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

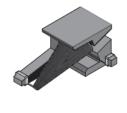
Current Rating: based on a 100°C temperature rise from a 25°C ambient

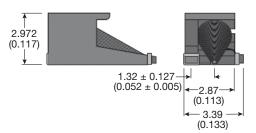
Wire: Copper, plated with gold 20 μ in. $\pm 5 \mu$ in.

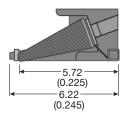
DIMENSIONS mm (inches)

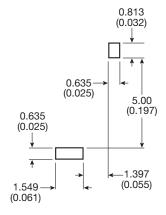
Terminal is configured to facilitate attachment close to inductor tip.









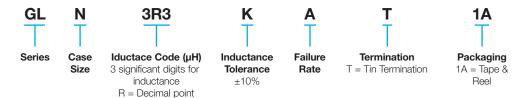


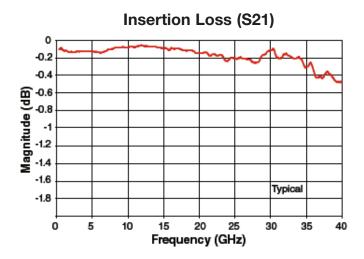
Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
Ν	6.223 (0.245)	3.378 (0.133)	2.972 (0.117)	42	60

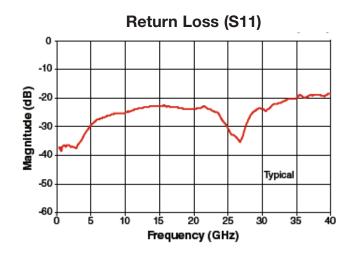














GLN6R0KAT1A



AVX, the industry leader, in introducing the new GLN Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

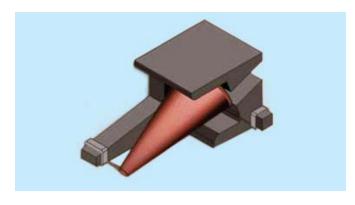
The GLN is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:
 700 KHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.4 dB, typ.
- Return Loss (shunt mounted: > 48 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 6.00 µH, typ.
- Rated Current (R_{DC} max.): 236 mA*
- Resistance (I_{DC} max.): 2.85 Ω, typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

Notes:

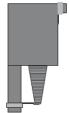
Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

Current Rating: based on a 100°C temperature rise from a 25°C ambient

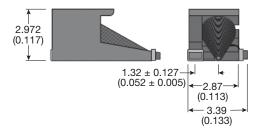
Wire: Copper, plated with gold 20 μ in. $\pm 5 \mu$ in.

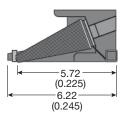
DIMENSIONS mm (inches)

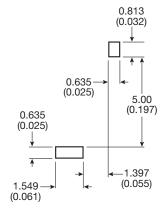
Terminal is configured to facilitate attachment close to inductor tip.









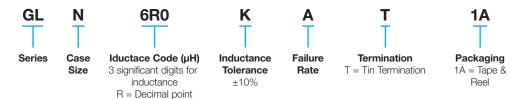


Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
N	6.223 (0.245)	3.378 (0.133)	2.972 (0.117)	44	78













GLN10R7KAT1A



AVX, the industry leader, in introducing the new GLN Series High Frequency Ultra-Broadband Inductor (UBL). This unique component provides low insertion loss and an excellent match over multiple octaves of frequency spectrum.

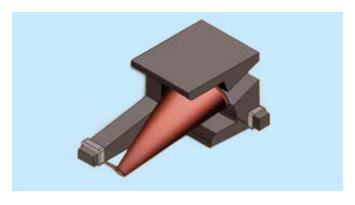
The GLN is ideal for ultra-broadband DC decoupling networks and bias tee applications in optical communications systems and equipment using high-speed digital logic.

FEATURES

- Operating Frequency:
 400 KHz (-3 dB roll-off) through 40+ GHz typ.
- Insertion Loss (shunt mounted: ≤0.4 dB, typ.
- Return Loss (shunt mounted: > 17 dB, typ.
- Operating Temperature Range: -55°C to +125°C
- Lead-Free, RoHs Compliant Terminations

ADVANTAGES

- Ultra-Broadband Performance
- Ultra-Low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss Through 40 GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Core



ELECTRICAL SPECIFICATION

- Inductance: 10.7 µH ±10%
- Rated Current (R_{DC} max.): 150 mA*
- Resistance (I_{DC} max.): 7.10 Ω , typ. at +20°C, 10 mA Current

*Current for 100°C Temperature rise

Notes:

Inductance: measured at 1 MHz, 0.1 Vrms, 0 mA dc with HP4291A impedance analyser

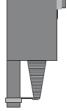
Current Rating: based on a 100°C temperature rise from a 25°C ambient

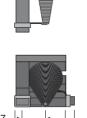
Wire: Copper, plated with gold 20 μ in. $\pm 5~\mu$ in.

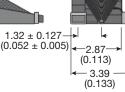
DIMENSIONS mm (inches)

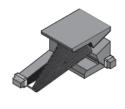
Terminal is configured to facilitate attachment close to inductor tip.

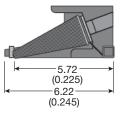
2.972 (0.117)

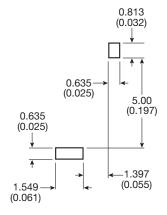












Size	Length (L)	Width (W)	Height (H)	Cu Wire Size (AWG)	Number of Times
N	6.223 (0.245)	3.378 (0.133)	2.972 (0.117)	47	110







