BLF Series

UL Recognized

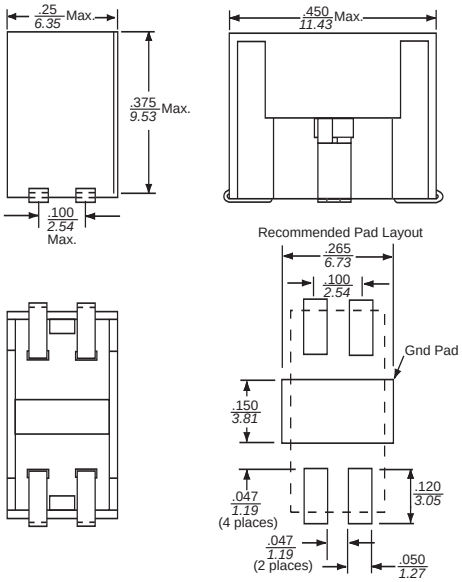
BLF Series

Tyco Electronics introduces a new line of surface mountable RFI filters specifically designed to eliminate noise on the signal line. These board level filters attenuate noise on the signal line at the frequency range of 10 MHz to 1000 MHz with maximum attenuation at 40 MHz to 400 MHz.

The U shaped ferrite features a parallel first and second leg with a center leg surrounded by a grounding/shorting strap and a capacitor for each line. This unique design optimizes the filter performance by combining the elements into one low profile single piece filter. Each filter acts on two signal lines, but can be stacked as an array to allow performance over multiple lines.

The BLF filter can withstand dielectric voltage of 1000 VAC for 60 seconds, thereby allowing placement of this filter at the optimal location, immediately behind the connector. This placement allows immunity protection from signal line interference as well as significant reduction of RFI emissions. The filter can be used in conjunction with unfiltered RJ jacks, ganged jacks, or with filtered modular jacks for additional protection.

Dimensions



Specifications

Capacitors:

Type	Monolithic ceramic chip
Standard Value:	
BLF820	820pF
BLF082	82pF
Standard Tolerance:	+/-20%

Ferrites:

Type:	High resistivity, nickel zinc ceramic
Inductance:	2 µH

Housing Material: Glass-filled polyester (UL94V-0)

Dielectric Withstanding Voltage:

Line-to-line and line-to-ground	1000 VAC for 60 seconds

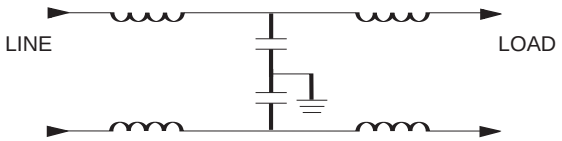
Ratings: 2.2 Amps max.
56.6 Volts max.

Pass Band **Minimum insertion loss in dB:**
Differential mode in a 50 ohm circuit
at 1 MHz <1dB
at 5MHz < 6dB

Stop Band **Minimum insertion loss in dB:**
Common mode in a 50 ohm circuit

	Frequency-MHz								
Model	**20**	**40**	**70**	**100**	**150**	**300**	**500**	**700**	**1000**
BLF082	4	10	16	20	25	40	26	23	20
BLF820	20	30	40	50	40	31	25	22	13

Electrical Schematic



Part Numbers

BLF820
BLF082

Catalog 1654001
Revised 05-07

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

www.corcom.com
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