

Series BLF



UL Recognized
CSA in Process
TUV in Process



Corcom 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 1000VAC 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.

Specifications

Capacitors

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

Ferrites

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

Housing Material

Glass-filled polyester (UL94V-0)

Dielectric Withstanding Voltage

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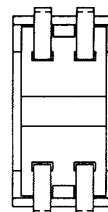
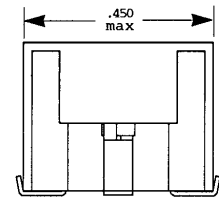
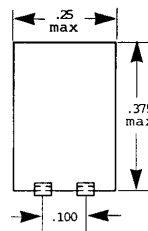
Ratings

2.2 Amps max
 56.6 Volts max

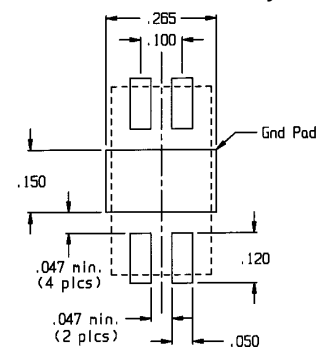
Pass Band	Minimum insertion loss in dB
Differential mode in a 50 ohm circuit	
At 1MHz < 1dB	
At 5MHz < 6dB	

Stop Band	Minimum insertion loss in dB
Common mode in a 50 ohm circuit	
Frequency - MHz	
	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

Dimensions



Recommended Pad Layout



Pricing

Consult your local Corcom sales representative for pricing.

Part No.	Part No.
BLF820	BLF082

BLF
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