

**Surface Mountable RFI Filters**

# BLF Series



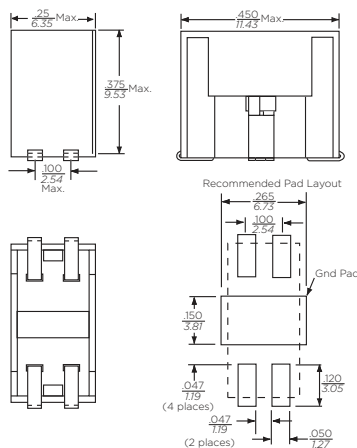
UL Recognized



## BLF Series

- Specifically designed for the signal line
- Attenuates signals from 10 MHz to 1000 MHz
- Maximum attenuation at 40MHz to 400 MHz
- Unique U shaped low profile single piece filter
- Each filters two signal lines
- Stackable for performance over multiple lines.
- Withstands dielectric voltage of 1000 VAC for 60 seconds
- Can be used in conjunction with unfiltered RJ jacks, ganged jacks, or with filtered modular jacks for additional protection.

## Dimensions



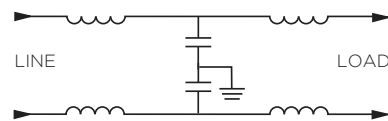
## Available Part Numbers

BLF820	BLF082
--------	--------

## Specifications

- Capacitors:**  
 Type: Monolithic Ceramic Chip  
 Standard Values:  
 BLF820: 820 pF  
 BLF082: 82 pF  
 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
- Rated Current:** 2.2A max.
- Rated Voltage:** 56.6 volts max.

## Electrical Schematic



## Performance Data

### Minimum Insertion Loss

Line to line (pass band) in 50 ohm circuit

@ 1 MHz	< 1 dB
@ 5MHz	<6 dB

Line to ground (stop band) in 50 ohm circuit

Model	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