

# RI 4170

## SINGLE USB 2.0

## FEEDTHROUGH FILTER

Fabric Mount  
USB 2.0 480 Mbps  
Feedthrough Filter



### OVERVIEW

The RI 4170 is a Feedthrough Filter specially designed to be mounted on shielding fabric.

### APPLICATION

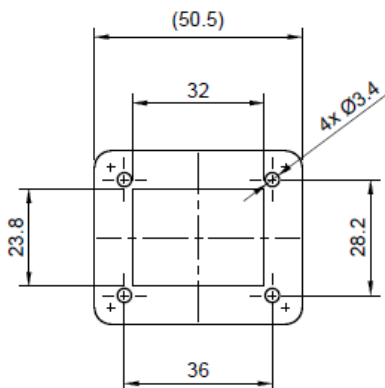
Primarily designed to fit on different fabric pouches but can also be mounted on shielded tents and other fabric. Enables charging of device inside an RF shielded environment.

### ELECTRICAL INTERFACES

The physical connectors are located on the top of the housing. The position let the connector and cable be parallel to fabric to minimize the required space. The filter is reciprocal, which means that the USB host can be attached to any of the connectors. RI 4170 can supply one USB devices with up to 900 mA.

### MECHANICAL INTERFACES

The RI 4170 is designed for fabric mount. The fabric is fixed between the filter housing and a spacer by 4 pcs M3 screws.



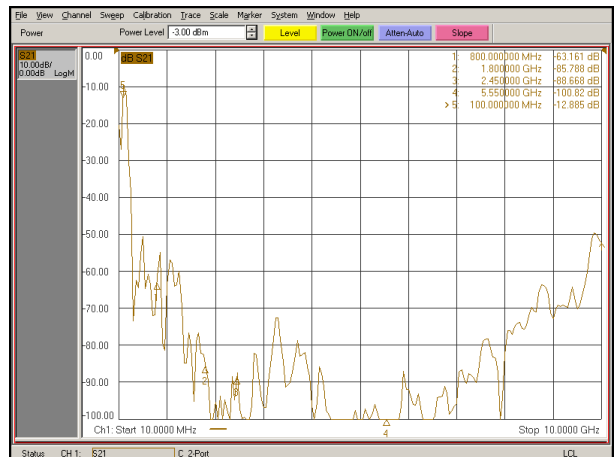
Fabric cut-out recommendation (mm)

### FEATURES

- 75 dB filter suppression at 2.4, 5.8 and 7.125 GHz
- Fully USB 2.0 Hi-Speed 480 Mbps compatible
- Filtered USB device power feedthrough, 900mA
- Fabric mountable

### SPECIFICATION

Connectors:	USB A
Material (housing):	Aluminium
Dimensions:	50.5x42x42.2 mm
Weight:	84g



Typical filter performance

### ORDERING

RI 4170      USB 2.0 480 Mbps Feedthrough Filter for Fabric Mount