

RI 4192

USB 3.0 Feedthru filter



Panel mountable USB 3.0 feedthru filter for up to 2 Ampere supply

OVERVIEW

The Ranatec RI 4192 is a high performance feedthru filter for all types of applications where USB signals need to be fed thru a shielding wall.

APPLICATION

Originally designed to fit into Ranatec's RI 180 series shield boxes, but can also be used separately.

ELECTRICAL INTERFACES

The physical connectors are located at each end of RI 4192. To accommodate the switchable power feedthru, the filter is non-reciprocal, which means that the USB host must be attached to the "B" connector of the filter. RI 4192 can supply one USB device with up to 2 A.

MECHANICAL INTERFACES

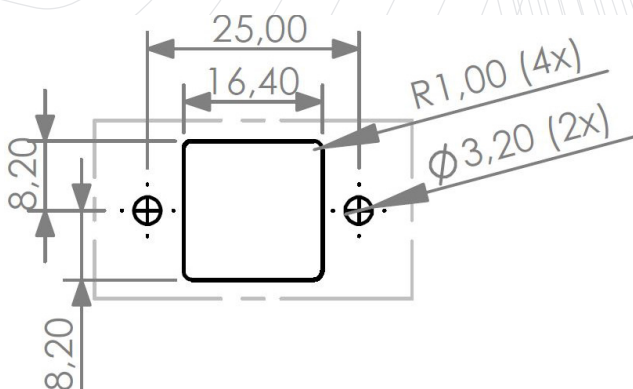
RI 4192 is prepared for panel mounting with two threaded M3 screwholes in the front. It is delivered with an EMC shielding gasket at both "A" and "B" connector, for simple, flexible and reliable mounting.

FEATURES

- Filtered 2 A power feedthru, switchable on/off via USB
- USB 3.0 Superspeed shielded feedthru filter
- Minimum 50 dB filter suppression, 0.7-6 GHz
- Panel mountable

SPECIFICATION

- | | |
|-------------------------------|-----------------------|
| • Attenuation 0.7 - 6 GHz | > 50 dB typical |
| • USB device current feedthru | 2 A max |
| • Connector front | Single USB Type A (F) |
| • Connector back | Single USB Type B (F) |
| • Material | Aluminium |
| • Dimensions (WxDxH) | 68x36x24 mm |
| • Weight (standard config) | 90 g |



Panel cut-out recommendation (mm)

ORDERING

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