RANATEC
High performance measurement solutions

RI 4184
Feedthru filter

RI 4184 Dual USB 2.0 480 Mbps feedthru filter

Panel mountable USB 2.0 Hi-Speed 480 Mbps feedthru filter with filtered 900 mA current feedthru

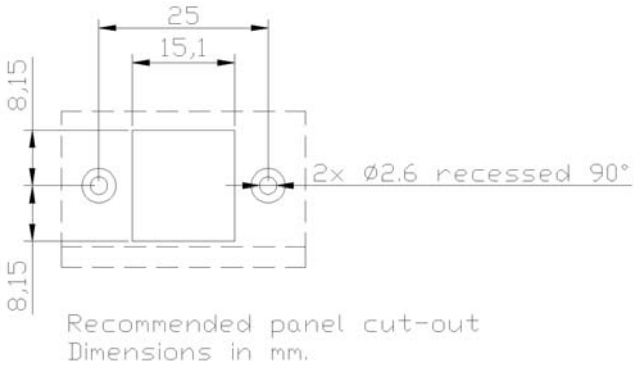
Features:
- Dual USB 2.0 Hi-Speed 480 Mbps filters
- Filtered USB device power feedthru, 900 mA (4.5 W)
- Fully USB 2.0 Hi-Speed 480 Mbps compatible
- 50 dB filter suppression, 0.43 - 6 GHz
- Panel mountable

Ranatec RI 4184 is a dual USB 2.0 Hi-Speed 480 Mbps panel mountable feedthru filter with very good filter suppression performance over all mobile frequency bands.

Overview
The Ranatec RI 4184 is a high performance feedthru filter for all types of applications where USB signals need to be fed thru a shielded wall. It is specially designed to fit into Ranatec's RI 180 series shielding cases but can also be delivered separately.

Electrical interfaces
The physical connectors are located at each end of RI 4184. The filter is reciprocal which means the USB host can be attached to any of the connectors.
RI 4184 can supply two USB devices with up to 900 mA each (4.5 W).

Mechanical interface
RI 4184 is prepared for panel mounting with two threaded M2.5 screwholes on the front. It is delivered with an EMC shielding gasket for simple and reliable mounting.



RI 4184 panel drawing

Specifications

• Attenuation 0.43 - 6 GHz	>50 dB typical
• USB device current feedthru	900 mA max per channel
• Connectors front	Double USB Form A, Rectangle (F)
• Connectors back	Double USB Form A, Rectangle (F)
• Material	Aluminium
• Dimensions (WxDxH)	36x71x22 mm
• Weight (standard config)	90 g

Ordering

RI 4184	Dual USB 2.0 480 Mbps feedthru filter, 900 mA

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Revision A