

RI 181 SHIELD BOX

2 U, 19" rack
mountable

OVERVIEW

The RI 181 is an RF shield box for all types of applications where good shielding is needed. It is especially suited for rack mounted test systems where the device under test is frequently replaced. RI 181 fits into a 19" rack, occupying only 2 U. With a one hand operation, the user can pull it out from the rack and open the lid.

APPLICATION

The RI 181 is designed for high shielding over all cellular mobile frequency bands making it suitable for applications such as:

- Cellular mobile phone test
- Basestation transceiver test
- Cellular network test
- Wireless semiconductor test
- WLAN/Bluetooth/Zigbee/WiMax device test

ELECTRICAL INTERFACES

All electrical interfaces are located on a replaceable interface plate at the rear of the RI 181. The interface plate can be equipped with the following:

- LAN (Ethernet) 1 Gbps Feedthru Filter
- LAN (Ethernet) 10 Gbps Feedthru Filter
- USB 2.0 480 Mbps Feedthru Filter
- USB 3.0 Feedthru Filter
- HDMI Feedthru Filter
- EMI Filtered DC Voltage Feedthru
- SMA(f)/SMA(f) Bulkhead Connector

Unused SMA/DC holes are covered by screws.



FEATURES

- 60 dB shielding attenuation at 3 GHz
- Various communication interfaces available
- 2 U, 19" rack mountable with eject function
- One hand open-and-close using front handle
- The lid stays open in any position

SPECIFICATION

Attenuation at 3 GHz	>60 dB
Inner dimensions	400x300x85 mm
Outer dimensions	490x490x88 mm
Weight (standard)	8,5 kg
Material	Stainless steel/Al

ORDERING

RI 181	Shield box with standard interface plate
RI 4182	LAN 1 Gbps Feedthru Filter
RI 4184	Dual USB 2.0 Feedthru Filter
RI 4185	Single USB 2.0 Feedthru Filter
RI 4192	USB 3.0 Feedthru Filter
RI 4193	HDMI Feedthru Filter
RI 4194	LAN 10 Gbps Feedthru Filter Up to 8 pcs per box
RI 181-11	Internal shielding wall Up to 7 pcs per box
RI 181-12	Cover Plate for filter cut-outs Up to 8 pcs per box
RI 181-13	DC Feedthru EMI Filter, Up to 16 pcs per box
RI 181-14	SMA(f)/(f) Bulkhead Connector Up to 16 pcs per box