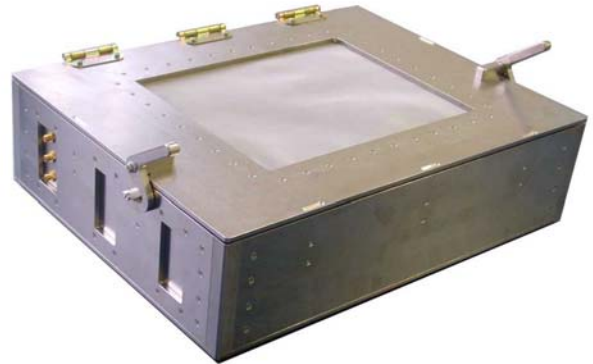


Shielding case

Seperate your test application form the live net

Shielding cases are used to shield electronic devices in the inner of the box from electromagnetic radiation and seperate them from the test environment. In spite of the shielding, control, handling and power supply of the speciemen is still possible by using our changeable feed-through-accessories (shielded/ filtered interfaces). For manual handling a shielded view-window "see-through net" or a keystroke manipulator ("artificial finger") can be integrated. Other properties are possible, your advantage is our knowlege and skills in customized solutions.



Your Advantages

- Very high shielding at the whole frequency range
- Individually interfaces with exchangeable feed-throughs
- Costumized solutions possible
- Our great experience in the field of EMC shielding

Types of boxes

- **Standart Shielding Case SSC100**
- **See Trough Shielding Case**
with view-window for manual keystrokes and display reading
- **Antenna Measurement Case**
Boxes for measurement of aerials
- **Mobile Robot**
(shielded box with artificial finger)
- **Customized cases**
e.g dimensions 400x300x400
with PCB mounting, absorber,



Standart Shielding case SSC100

The standard shielding case „SSC 100“ is used for RF shielding like mobile (cell) phones, base stations, and mobile radi terminals,...). The case is made of nickel plated aluminium and in all sizes available. The exchangeable RF feed-throughs on the side of the case are available for all common standard interfaces (RS 232, LWL, Infrared, LAN, RF-Signals, and others.) For special test procedures, antennas or RF-absorber can be mounted in the inner of the shielding case.

Specifications:

without feed-through (completely closed)	
1 MHz ... 3000 MHz	> 60 dB
2 MHz ... 2300 MHz	> 70 dB
5 MHz ... 1800 MHz	> 80 dB
DC filter measured by MIL STD 220 (no terminations, 50 Ohm source and termination)	
100 MHz ... 3000 MHz	> 50 dB
200 MHz ... 3000 MHz	> 60 dB
300 MHz ... 2300 MHz	> 70 dB
Feed throughs (interfaces) :	See additional page
Accessories:	<ul style="list-style-type: none"> • Intern coupling antenna • Mountings • Absorber material • Other on request



“SEE THROUGH” Shielding case

In this version you can see through a RF-shielding net into the inner of the case. So it is possible to press mobile-phone-keys and watch displays. By changing the cover of this case you can easily achieve the high shielding of the “SSC 100 standard case”

Specifications:

Shielding:	60db typical
Feed throughs (interfaces) :	See additional page
Accessories:	<ul style="list-style-type: none"> • Intern coupling antenna • Mountings • Absorber material • Other on request



For customized solutions, contact us!

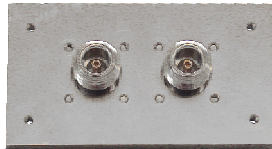
Feed through

You can operate the specimen by connecting it to the supply- and communication-interfaces inside of the box, which are wired to the outside. These feed throughs are available for common interfaces and can be changed (e.g inside SMA, outside TNC) on request.

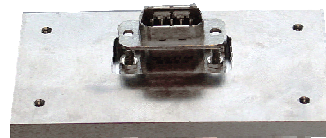
Examples:



3*SMA feed through



2*N feed through



SubD Filter Interface



LAN 100MBit Interface

Description	Frequency Range	Z(Ω) nom	VSW R typ.	Insertion loss (dB)	Connectors	Power Max.	Remarks
SubD-9 Filter Interface	50 – 2500mc				SubD-9 (f)+(m)	2A /pin	
SubD-15 Filter Interface	50 – 2500mc				SubD-15 (f)+(m)	2A /pin	
SubD-25 Filter Interface	50 – 2500mc				SubD-25 (f)+(m)	2A /pin	
LAN 100MBit Interface	800 – 2500mc				2* RJ-45 (f)	1A /pin	
USB2.0 Interface	800 – 2500mc				USB (m), USB (f)	-	w. USB adapters
3*SMA feed through	max. 3000mc	50	1.2	$\leq 0,5$	3* SMA (f/f)	-	
2*N feed through	max. 3000mc	50	1.2	$\leq 0,5$	2*N (f)/(f)	-	
2*N/SMA feed through	max. 3000mc	50	1.2	$\leq 0,5$	2*N (f)/SMA (f)	-	
Dummy Insert	1 – 3000mc	-	-	-	-	-	-

For customized solutions, contact us!