



# TC-5915A Shield Box

## Application

The TC-5915A Shield Box provides RF isolation and signal connections necessary for mobile testing. With RF coupling accessories and filtered I/O ports, the TC-5915A makes an ideal solution for testing mobiles and small RF devices for use on test benches of R&D, service, QC and manufacturing.

## Features

- Reliable High RF Shielding up to 5.8GHz
- Manual operation
- Easily customizable to meet various test needs
- Shock Absorbers on lid

## Specification

- Shielding Effectiveness : > 70dB, from DC to 2.5GHz,  
\*\*When optional Module M591502B installed.
- Inner Dimension : 220(W) x 280(D) x 170(H) mm  
( Inner Dimension: 8.66(w) x 11.02(D) x 6.69(H) Inches)
- Outer Dimension: 310(W) x 475(D) x 220(H) mm  
( Outer Dimension: 12.2(W) X 18.70(D) x 8.66(H) Inches)
- Weight : Approx. 7 kg



Front View



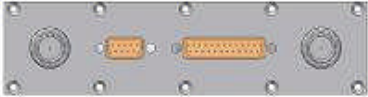
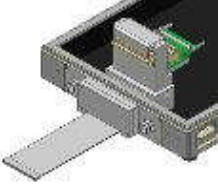
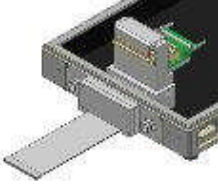
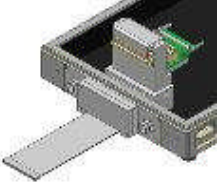
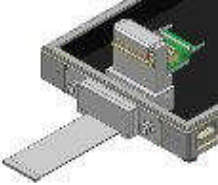
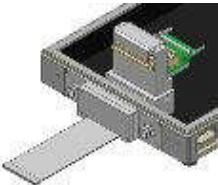
TC-5915A shown fitted  
With Optional M591502B Module

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### Optional I/O Modules for TC-5915A

#### Rear Module

Appliance	Module Number & Description
	<b>M591502B: Data Interface Module</b> <ul style="list-style-type: none"><li>- DB9(p) outside and DB9(s) inside, 1000pF Pi filter</li><li>- DB25(p) outside and DB25(s) inside, 1000pF Pi filter</li><li>- 2 N(f) outside and SMA(f) inside</li><li>- Data line Capacity : 100 VDC, 3 Amps max.</li></ul>
	<b>M591504A: WLAN CardBus Controller Module for Desktop PC</b> <ul style="list-style-type: none"><li>- Shielding Effectiveness : &gt;55dB at 2.4GHz, &gt;50dB at 5.8GHz</li><li>- 100Pin, Shielded Flat Cable, 10pF Pi filter, for CardBus or Mini PCI</li><li>- 2 N(f) outside and SMA(f) inside</li><li>- Supports Hot Swap function (CBC)</li></ul>
	<b>M591504B: WLAN CardBus Extender Module for Notebook</b> <ul style="list-style-type: none"><li>- Shielding Effectiveness : &gt;55dB at 2.4GHz, &gt;50dB at 5.8GHz</li><li>- 100pin, Shielded Flat Cable, 10pF pi filter, for CardBus or Mini PCI</li><li>- 2 N(f) outside and SMA(f) inside</li></ul>
	<b>M591512A: Mini PCI Express Module for Desktop PC</b> <ul style="list-style-type: none"><li>- Shielding Effectiveness : &gt;55dB at 2.4GHz, &gt;50dB at 5.8GHz</li><li>- Flat Cable, for Mini PCI Express</li><li>- 4 SMA(f) outside and inside</li></ul>
	<b>M591513A: Express Card Module 34/54 for Desktop PC</b> <ul style="list-style-type: none"><li>- Shielding Effectiveness : &gt;55dB at 2.4GHz, &gt;50dB at 5.8GHz</li><li>- Flat Cable, for Express Card 34/54</li><li>- 4 SMA(f) outside and inside</li></ul>
	<b>M591514A: Express Card Module 34/54 for Notebook</b> <ul style="list-style-type: none"><li>- Shielding Effectiveness : &gt;55dB at 2.4GHz, &gt;50dB at 5.8GHz</li><li>- Flat Cable, for Express Card 34/54</li><li>- 4 SMA(f) outside and inside</li></ul>

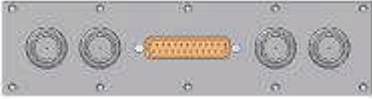
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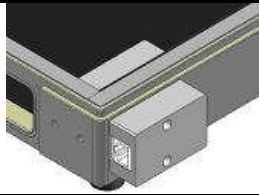
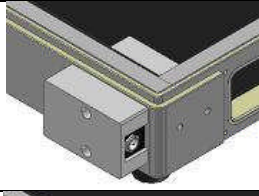
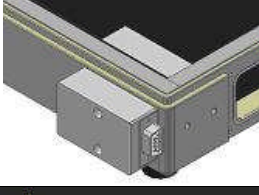
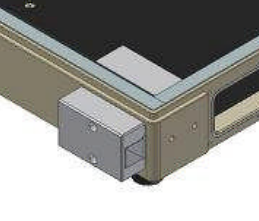
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TC-5915A Shield Box Data Sheet

	<p><b>M591505A: Data Interface Module</b></p> <hr/> <ul style="list-style-type: none"> <li>- 4 N(f) outside and SMA(f) inside</li> <li>- DB25(p) outside and DB25(s) inside, 1000pF Pi filter</li> </ul>
<p>N/A</p>	<p><b>M591507B: A/C Power Module</b></p> <hr/> <ul style="list-style-type: none"> <li>- 2 N(f) outside and SMA(f) inside</li> <li>- 1 DB9(p) outside and DB9(s) inside, 1000pF Pi filter</li> <li>- 1 A/C Inlet(f) outside, Outlet inside(m)</li> </ul>

## Side Module

Appliance	Module Number & Description
	<p><b>M591531A: RJ-45 Interface Module</b></p> <hr/> <ul style="list-style-type: none"> <li>- RJ-45 outside and inside, 10pF Pi filter, for LAN</li> <li>- Data line Capacity : 1.5 Amps max.</li> </ul>
	<p><b>M591532A: DC Power interface Module</b></p> <hr/> <ul style="list-style-type: none"> <li>- DC Power Jack outside and inside</li> <li>- Data line Capacity : 100VDC, 3 Amps max.</li> </ul>
	<p><b>M591533A: DB9 Interface Module</b></p> <hr/> <ul style="list-style-type: none"> <li>- DB9(p) outside and DB9(s) inside, 1000pF Pi filter</li> <li>- Data line Capacity : 100VDC, 3 Amps max.</li> </ul>
	<p><b>M591534A: USB2.0 Interface Module</b></p> <hr/> <ul style="list-style-type: none"> <li>- 2 USB Type A Ports Inside and Outside</li> <li>- CMF &amp; EMI Filter, up to USB 2.0 full-speed</li> <li>- Data line Capacity : 1 Amps max. (Frequency range : 200MHz ~ 2.4GHz)</li> <li>⊗ Only for USB to USB connection</li> </ul>

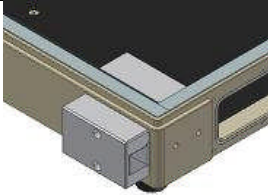
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TC-5915A Shield Box Data Sheet



## M591535A: RF Interface Module

- 2 SMA(f) outside and SMA(f) inside

## Ordering Information

### TC-5915A, RF Shield Box

**M591001A\***, 100pF Pi filter in DB9 connector instead of 1000pF Pi filter

**M591002A\***, 100pF Pi filter in DB25 connector instead of 1000pF Pi filter

**4006-0004\***, RG400S, N(m) to N(m) cable, 1m

**4009-0006\***, DB9(s) to USB A(p) cable, 1m

**4009-0007\***, DB9(p) to USB A(s) cable, 15cm

\* Suitable for USB1.1 and Bluetooth device test application

### M591501A: Blank Panel

### M591502B: Data Interface Module

Sold Separately :

4002-0002, N(m) to N(m) cable, 1m

4003-0004, DB9(p) to DB9(s) cable, 1m

4003-0005, DB25(p) to DB25(s) cable, 1m

### M591504A: WLAN CardBus Controller Module for Desktop PC

Accessories Supplied:

3806-0001, CardBus Controller SoftWare Driver (1x 3.5" diskette), 1pc.

4011-0004, N(m) to SMA(m) cable, 1m, 2pcs.

4104-0013, DC power plug to Dual Banana Plug cable, 1.5m, 1pc – **See Note 1 Below**

4104-0014, 2pin to DC Power Plug cable, 30cm, 1pc – **See Note 1 Below**

E99110D, 100Pin to CardBus adaptor, 1pc.

E99117E, 100Pin to Mini PCI adaptor, 1pc.

E99120A, PCI to 100Pin adaptor, for right side motherboard, 1pc.

E99120B, PCI to 100Pin adaptor, for left side motherboard, 1pc.

NOTE: 1. Only Supplied when Optional module M591532A (DC Power Module) is purchased.

### M591504B: WLAN CardBus Extender Module for Notebook

Accessories Supplied:

4011-0004, N(m) to SMA(m) cable, 1m, 2pcs.

4104-0013, DC power plug to Dual Banana Plug cable, 1.5m, 1pc. - **See Note 1 Below**

4104-0014, 2pin to DC Power Plug cable, 30cm, 1pc. - **See Note 1 Below**

E99110C, 100pin to CardBus adaptor 1pc.

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E99115C, , 100pin CardBus Extender 1pc  
E99117F, 100pin to Mini PCI adaptor pc.

NOTE: 1. Only Supplied when Optional module M591532A (DC Power Module) is purchased.

**M591512A, M591512A: Mini PCI Express Module**

Accessories Supplied: TBD

**M591513A: Express Card 34/54 Module**

Accessories Supplied: TBD

**M591505A: DATA Interface Module**

Sold Separately:

4003-0005, DB25(p) to DB25(s) cable, 1m  
4002-0006, RG223, N(m) to SMA(m) cable, 1m  
4011-0004, SS-402, N(m) to SMA(m) cable, 1m

**M591531A: RJ-45 Interface Module**

Sold Separately:

4008-0006, RJ-45 to RJ-45 cable, Direct(un-crossed), 30cm  
4008-0007, RJ-45 to RJ-45 cable, Direct(un-crossed), 2m  
4008-0001, RJ-45 to USB A(p) cables, 1.5m  
4008-0002, RJ-45 to USB B(p) cables, 30cm

**M591532A: DC Power Interface Module**

Sold Separately:

4104-0013, DC Power Plug to Dual Banana Plug cable, 1.5m  
4104-0014, DC Power Plug to 2Pin(s) cable, 30cm

**M591533A: DB9 Interface Module**

Sold Separately:

4003-0004, DB9(p) to DB9(s) cable, 1m

**M591534A: USB2.0 Interface Module (Only for USB to USB connection)**

Accessories Supplied :

4008-0017, USB A(p) - USB A(p) 4C 1M outside  
4008-0018, USB A(p) - USB A(s) 4C 50CM inside

**TC-93020A:** Flat Type Antenna Coupler

**TC-93030B:** Flat Type Antenna Coupler

**TC-93031A:** Flat Type Antenna Coupler

**TC-93034A:** Flat Type Antenna Coupler

**SPECIAL NOTE**

① In case of ordering TC-5915A Shield Box only. It will be provided without any module installed. Optional Rear and Side Module are available at an additional cost. For pricing on the optional modules, please request a quote.

② Items identified as [Accessories Supplied] will be provided. Items identified as, [Sold Separately] must be purchased at an additional cost and are only provided upon customer request.

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