



Concentric Technology Solutions Inc

Testing Solutions for the Wireless Industry

TC-5922A Shield Box



Features

- High RF shielding
- Easy Opening/Closing of Door
- EMI filter on all Data and DC lines
- Easily customizable to meet various test needs
- Shock Absorber on lid
- Ferrite inside the shield box for the signal absorption

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

Concentric Technology Solutions, Inc.

TEL: 817-503-8862 FAX: 817-503-8866 Email: CTS-Sales@ctscorp-usa.com WWW.RFSHIELDBOX.COM



Specifications

Mechanical Specification

RF Connectors without module	2 N (f) outside and SMA (f) inside
Dimension	
Inside	296(W) x 435(D) x 232(H) mm
Outside	382(W) x 577(D) x 290(H) mm, lid closed. 680(H) mm, lid open.
Weight	approx. 22 kg
*Packing	
Size	620(W) x 800(D) x 530(H) mm
Weight	approx. 25 kg

*The final packing weight may vary based on type of packaging required for shipping.

Typical RF Shielding



The shield effectiveness below is measured when the blank panel is mounted; other I/O interface panel may result in different isolation results.

100 to 2000 MHz	> 70 dB
2000 to 3000 MHz	> 70 dB
3000 to 6000 MHz	> 60 dB

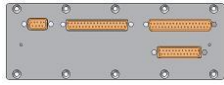
Ordering Information

Order Number	Description
	Shield Box (including accessories bellow)
TC-5922A	Operating Manual Test Report RG400S, N(m) to N(m) 1 m, 1 pc

I/O Interface Panel

	Order Number	Configuration
 Blank Panel	M592001A	
 Data Interface Panel	M592002A	<ul style="list-style-type: none"> *Shielding Effectiveness:>70 dB from 0.5 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz DB9(p) outside and DB9(s) inside, 1000 pF Pi filter DB25(p) outside and DB25(s) inside, 1000 pF Pi filter 2 N(f) outside and SMA(f) inside

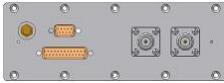
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Data Interface Panel

M592003A

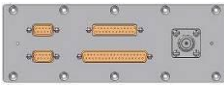
- *Shielding Effectiveness:>70 dB from 0.5 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz
- DB9(p) outside and DB9(s) inside, 1000 pF Pi filter
- DB25(p) outside and DB25(s) inside, 1000 pF Pi filter
- 2 DB37(p) outside and DB37(s) inside, 1000 pF Pi filter



Data Interface Panel

M592004A

- *Shielding Effectiveness:>70 dB from 0.5 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz
- Air fitting, 6mm OD.
- DB9(p) outside and DB9(s) inside, 1000 pF Pi filter
- DB25(p) outside and DB25(s) inside, 1000 pF Pi filter
- 2 N(f) outside and SMA(f) inside



Data Interface Panel

M592005A

- *Shielding Effectiveness:>70 dB from 0.5 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz
- 2 DB9(p) outside and DB9(s) inside, 1000 pF Pi filter
- DB25(p) outside and DB25(s) inside, 1000 pF Pi filter
- DB37(p) outside and DB37(s) inside, 1000 pF Pi filter
- N(f) outside and SMA(f) inside



Data Interface Panel




M592007A

- *Shielding Effectiveness: >60 dB from 0.5 to 3 GHz
- DB9(p) outside and DB9(s) inside, 1000 pF Pi filter
- DB25(p) outside and DB25(s) inside, 1000 pF Pi filter
- 4 SMA(f) outside and SMA(f) inside
- RJ-45 outside and inside, 10 pF Pi filter, for LAN

*Shielding effectiveness stated above is with specific I/O interface panel installed.

I/O Interface

Customized I/O Interface panels are available. Please contact CTS sales team.

I/O Interface	Order Number	Typical Data Rate / Line Voltage	*Typical Shielding
 DB25, 1000 pF Pi Filter	3409-0009-1	3 Mbps	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 DB25, 100 pF Pi Filter	3409-0014-1	10 Mbps	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 DB9, 1000 pF Pi Filter	3409-0008-1	3 Mbps	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz

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 DB9, 100 pF Pi Filter	3409-0010-1	10 Mbps	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 USB A(p) 2.0, 10 pF Pi Filter	3409-0018A-3	480 Mbps	>60 dB from 0.5 to 6 GHz
 RJ-45, 10 pF Pi Filter	3409-0022A	250 Mbps	>60 dB from 0.5 to 3 GHz
 DC Power Adaptor, Jack Type	3409-0004A	50 VDC, 3 Amps max	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 DC Power Adaptor, Banana Jack Type	3409-0005A	50 VDC, 50 VDC, 10 Amps max	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 AC Power Adaptor		250 VAC, 7 Amps max	>70 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz

*Shielding effectiveness stated above is with specific I/O interface installed.

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