



Concentric Technology Solutions Inc

Testing Solutions for the Wireless Industry

TC-5920A Shield Box



Features

- High RF shielding
- Easy Opening/Closing of Door
- EMI filters on all Data and DC lines
- Easily customizable to meet various test needs
- Shock Absorber on lid



Specifications

Mechanical Specification

RF Connectors without module	4 SMA (f) outside and SMA (f) inside
Dimension	
Inside	182(W) x 380(D) x 210(H) mm
Outside	212(W) x 478(D) x 262(H) mm. lid closed. 657(H) mm, lid open.
Weight	approx. 13 kg
*Packing	
Size	595(W) x 370(D) x 382(H) mm
Weight	approx. 14 kg

*The size or weight of a package may vary on how to pack a package.

Typical RF Shielding


The shield effectiveness below is measured when the blank panel is mounted; other I/O interface panel results a different shielding effectiveness of the shield box.

100 to 2000 MHz	> 60 dB
2000 to 3000 MHz	> 60 dB
3000 to 6000 MHz	> 55 dB

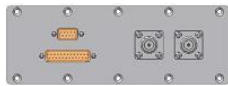
Ordering Information

Order Number	Description
	Shield Box (including accessories below)
TC-5920A	Operating Manual Test Report RG400S, N(m) to N(m) cable, 1 m, 1 pc

I/O Interface Panel

	Order Number	Configuration
	M592001A	
Blank Panel		

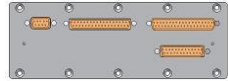
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



Data Interface Panel

M592002A

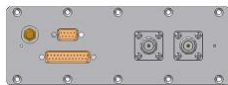
- *Shielding Effectiveness:>70 dB from 0.1 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz
- DB9(p) outside and DB9(s) inside, 1000 pF Pi filter
- DB25(p) outside and DB25(s) inside, 1000 pF Pi filter
- 2 N(f) outside and SMA(f) inside



Data Interface Panel

M592003A

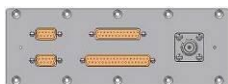
- *Shielding Effectiveness:>70 dB from 0.1 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz
- DB9(p) outside and DB9(s) inside, 1000 pF Pi filter
- DB25(p) outside and DB25(s) inside, 1000 pF Pi filter
- 2 DB37(p) outside and DB37(s) inside, 1000 pF Pi filter



Data Interface Panel

M592004A

- *Shielding Effectiveness:>70 dB from 0.1 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 0.1 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 0.1 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

*Each shielding effectiveness is measured when each I/O interface panel, which is shown above, is mounted.

I/O Interface

Customized I/O Interface panels are available. Please contact us for more information.

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 0.1 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 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz

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	3409-0008-1	3 Mbps	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
DB9, 1000 pF Pi Filter			
	3409-0010-1	10 Mbps	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
DB9, 100 pF Pi Filter			
	3409-0018A-3	480 Mbps	>60 dB from 0.1 to 6 GHz
USB A(p) 2.0, 10 pF Pi Filter			
	3409-0022A	250 Mbps	>60 dB from 0.1 to 3 GHz
RJ-45, 10 pF Pi Filter			
	3409-0004A	50 VDC, 3 Amps max	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
DC Power Adaptor, Jack Type			
	3409-0005A	50 VDC, 50 VDC, 10 Amps max	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
DC Power Adaptor, Banana Jack Type			
		250 VAC, 7 Amps max	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
AC Power Adaptor			

*Each shielding effectiveness is measured when each I/O interface panel, which is shown above, is mounted.