

电源滤波器---单相差模增强系列滤波器

EMC Filters --- High performance Single-Phase Series





























产品特点 Features

- ◆单相差模增强系列，一级共模加一级差模滤波电路，良好的电磁干扰抑制特性；
- ◆能有效抑制功率开关管动作时对电网产生的宽频电磁干扰；◆解决传导发射测试1MHz以下超标的问题；
- ◆可按不同性能，工作电流，电压，外形尺寸和端接方式等要求定制

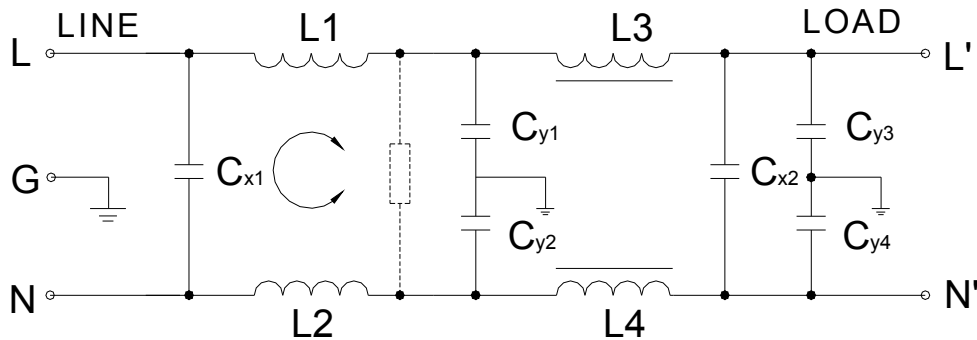
使用场合 Application

- ◆用于解决含有开关电源、UPS、及中频电源等设备或系统的电磁干扰问题；
- ◆也可用于电机驱动，电源逆变器等。

技术参数 Technical Data

额定电压 Rated Voltage		125/250VAC			
工作频率 Operating Frequency		50/60Hz			
温度范围 temperature range		-25℃--85℃			
型号 model	额定电流 Rated Current	最大漏电流 Leakage current:	耐压试验 Test Voltage	端接方式 Termination methods	
				输入 Input	输出 Output
TA-1CBW	1A	0.8mA	1768VDC, 1min (L-L) 2000VAC, 1min (L-G)		
TA-3CBW	3A	0.8mA			
TA-3CCW	3A	0.8mA			
TA-3CDL	3A	0.8mA			
TA-6CDL	6A	0.8mA			
TA-6CPL	6A	0.8mA			
TA-10CDL	10A	0.8mA			
TA-20CES	20A	0.8mA			
TA-20CCS	20A	0.8mA			
TA-30CFS	30A	1.2mA			
TA-40CGS	40A	1.2mA			
TA-50CFS	50A	1.2mA			
TA-75CHS	75A	2.0mA			
TA-100CHS	100A	2.0mA			

电路类型 Electrical schematics



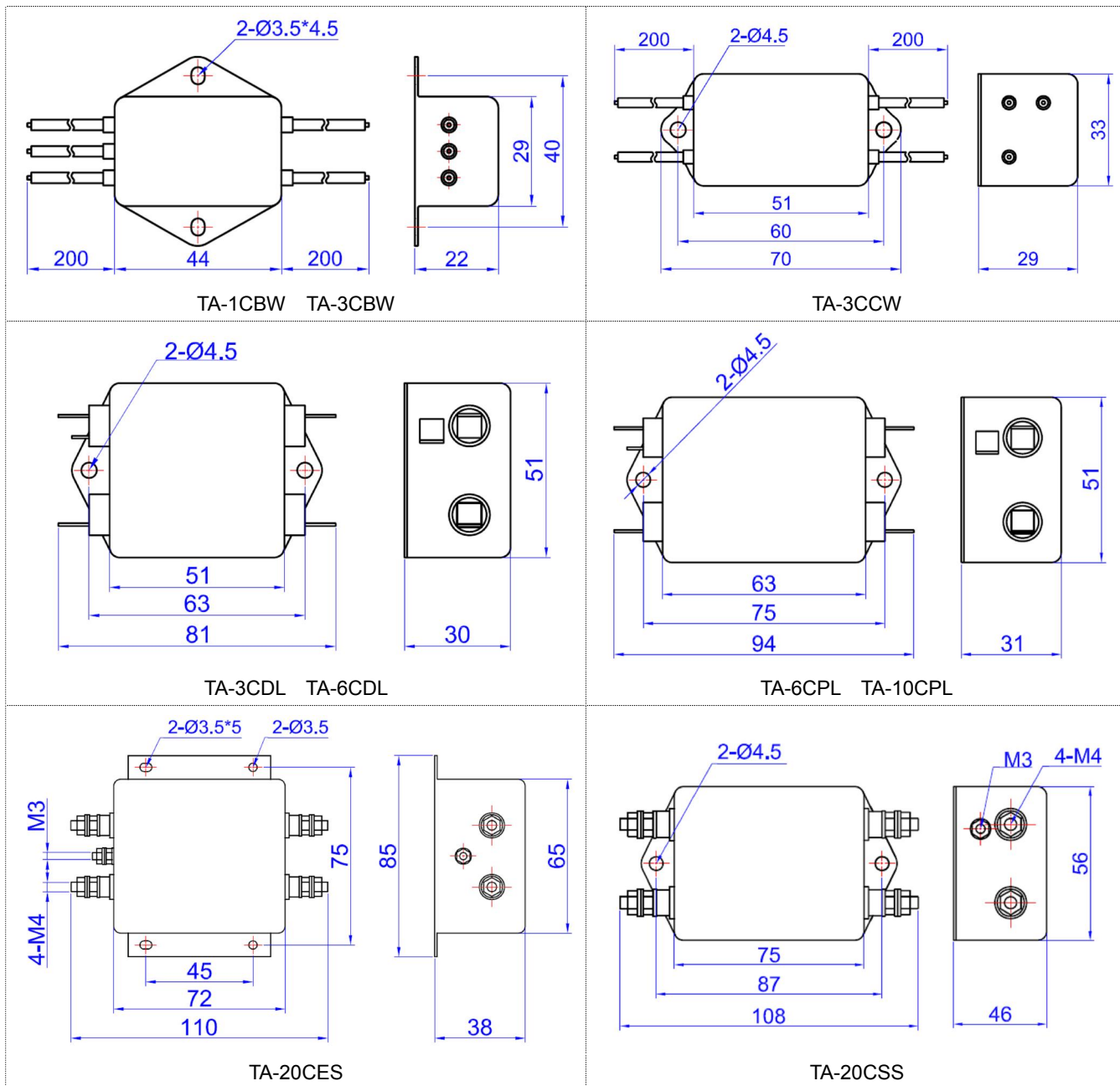
插入损耗 Insertion Loss in dB

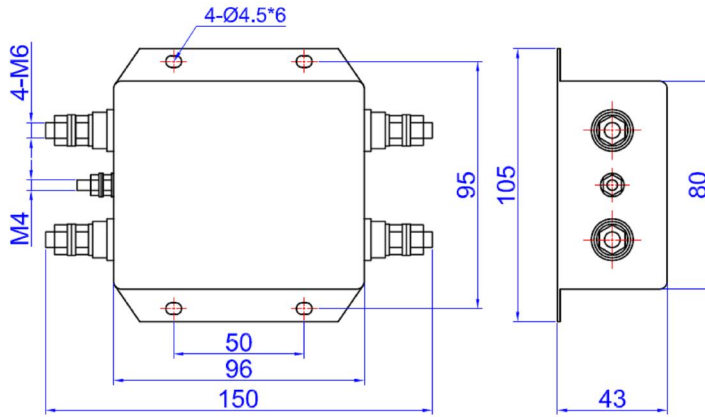
— 共模 (CM) ,--- 差模 (DM) CM/DM

50Ω 测量系统,GB7343/CISPR NO.17 出版物 Measured in 50 ohm system ,as GB7343 or CISPR NO.17

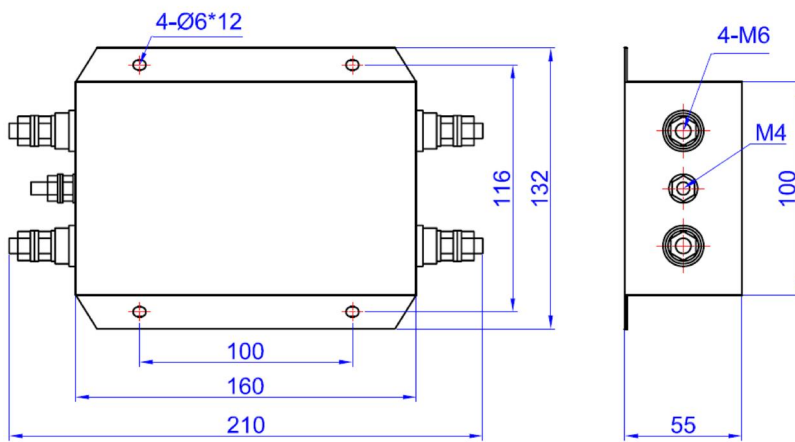
插入损耗 Insertion Loss in dB										
CM/DM										
频率 (MHz)	0.01	0.05	0.10	0.15	0.50	1.0	5.0	10	20	30
型号										
TA-1CBW	12/8	18/32	20/42	22/40	61/63	72/65	73/74	68/72	68/64	60/56
TA-3CBW	10/8	14/31	21/39	22/41	58/65	59/66	72/74	69/72	65/61	60/55
TA-3CCW	12/8	18/32	20/42	22/40	61/63	72/65	73/74	68/72	68/64	60/56
TA-6CDL	10/8	14/31	21/39	22/41	58/65	59/66	72/74	69/72	65/61	60/55
TA-6CPL	12/8	18/32	20/42	22/40	61/63	72/65	73/74	68/72	68/64	60/56
TA-10CDL	9/8	16/32	21/41	22/42	60/65	71/66	72/75	66/71	66/65	59/55
TA-20CES	10/8	24/36	26/40	27/39	51/56	72/71	68/70	66/68	58/59	54/52
TA-20CCS	10/8	24/36	26/40	27/39	51/56	72/71	68/70	66/68	58/59	54/52
TA-30CFS	8/7	18/32	24/39	27/40	49/55	72/71	68/70	66/68	58/59	54/52
TA-40CGS	10/8	24/36	26/40	27/39	51/56	72/71	68/70	66/68	58/59	54/52
TA-50CFS	8/7	18/32	24/39	27/40	49/55	72/71	68/70	66/68	58/59	54/52
TA-75CHS	9/8	12/29	16/34	26/38	46/56	69/72	70/71	65/62	56/58	52/52
TA-100CHS	6/7	11/26	15/32	25/36	46/55	69/72	70/71	65/62	56/58	52/52

外形尺寸 Shape dimension

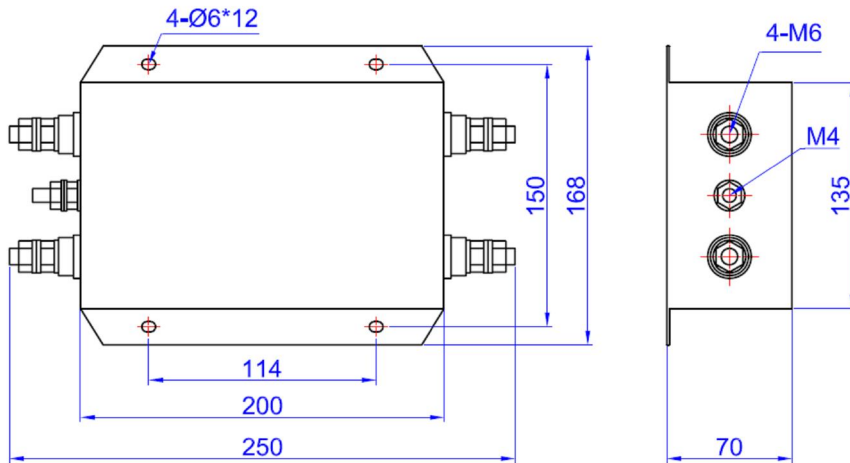




TA-30CFS






TA-40CGS TA-50CGS



TA-75CHS TA-100CHS

端接方式说明:

图示			
说明	美标 18 号电源线	焊片	镀镍铜螺栓

电源滤波器---单相高性能系列滤波器

EMC Filters --- High performance Single-Phase Series

































产品特点 Features

- ◆单相高性能系列，两级共模加一级差模滤波电路，最佳的电磁干扰抑制特性；
- ◆内部节点保持在相对稳定的阻抗上，对源及负载的阻抗依赖较小，滤波性能稳定；
- ◆能有效抑制功率开关管动作时对电网产生的宽频电磁干扰； ◆能有效抑制连续或间隙性脉冲干扰；
- ◆可按不同性能，工作电流，电压，外形尺寸和端接方式等要求定制

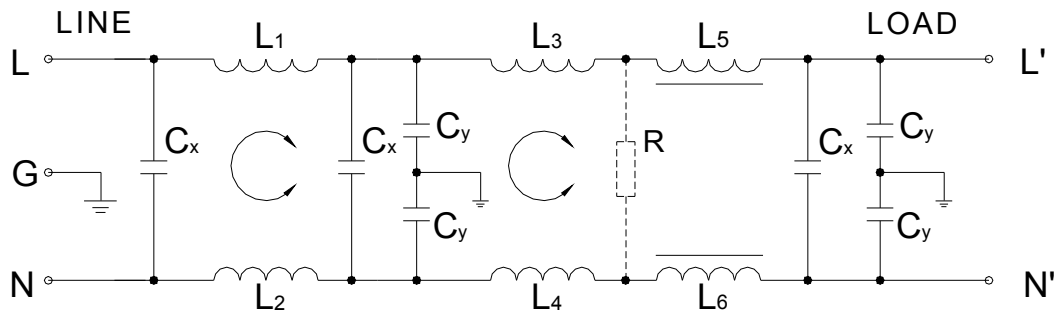
使用场合 Application

- ◆用于电磁干扰幅度强，频带分布宽的恶劣电磁环境； ◆用于对噪声极度敏感设备
- ◆用于变频器、逆变器、开关电源、UPS 等电子设备。

技术参数 Technical Data

额定电压 Rated Voltage		120/250VAC			
工作频率 Operating Frequency		50/60Hz			
温度范围 temperature range		-25℃--+85℃			
型号 model	额定电流 Rated Current	最大漏电流 Leakage current:	耐压试验 Test Voltage	端接方式 Termination methods	
				输入 Input	输出 Output
TA-1FCW	1A	0.8mA	1768VDC,1min (L—L) 2000VAC,1min (L—G)		
TA-3FCW	3A	0.8mA			
TA-1FDL	1A	0.8mA			
TA-3FDL	3A	0.8mA			
TA-3FPL	3A	0.8mA			
TA-6FPL	6A	0.8mA			
TA-6FEL	6A	1.6mA			
TA-10FEL	10A	1.6mA			
TA-6FSL	6A	1.6mA			
TA-10FSL	10A	1.6mA			
TA-20FFS	20A	1.6mA			
TA-30FGS	30A	1.6mA			
TA-40FGS	40A	1.6mA			
TA-50FGS	50A	1.6mA			
TA-75FHS	75A	1.6mA			
TA-100FHS	100A	1.6mA			

电路类型 Electrical schematics



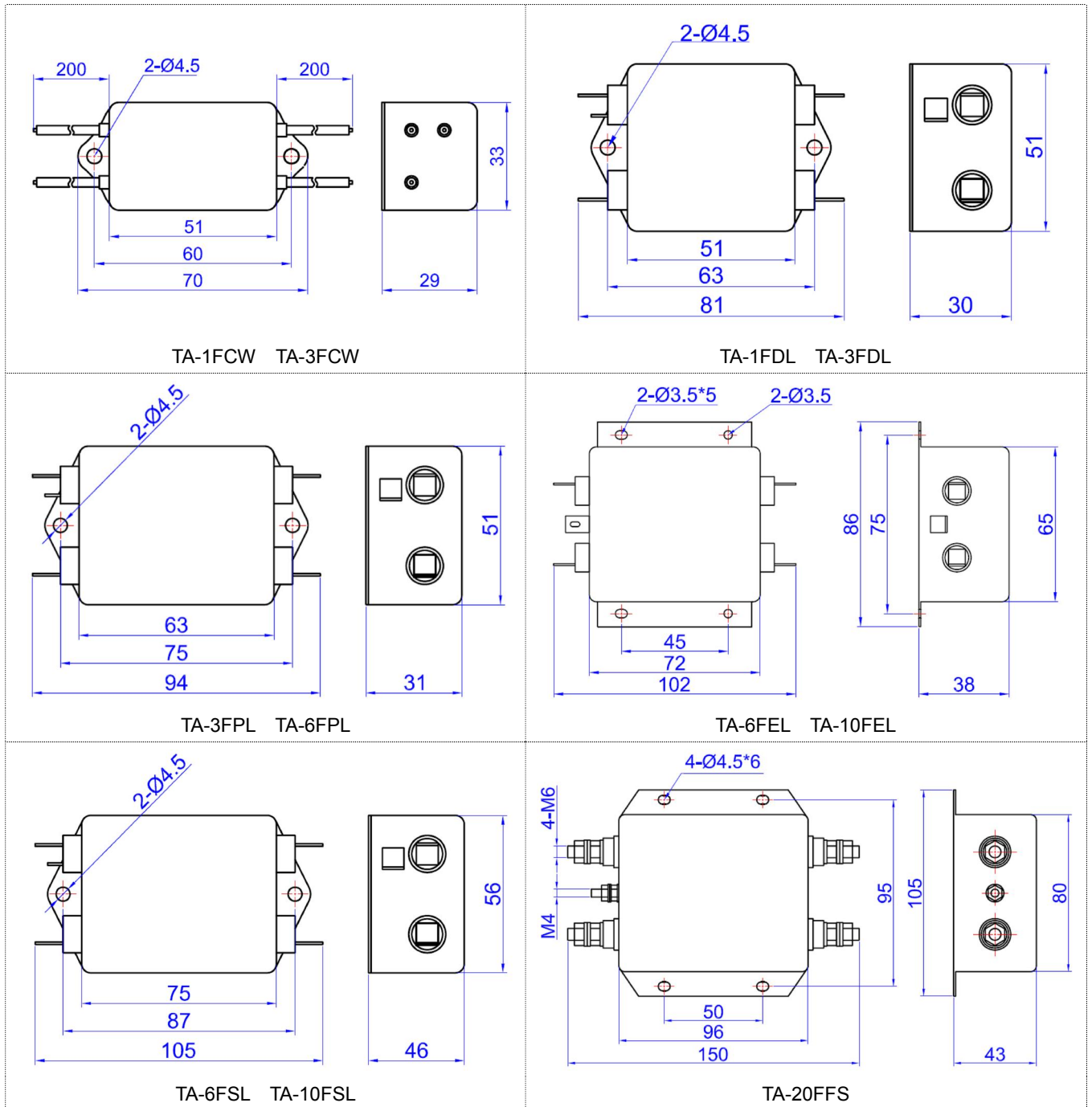
插入损耗 Insertion Loss in dB

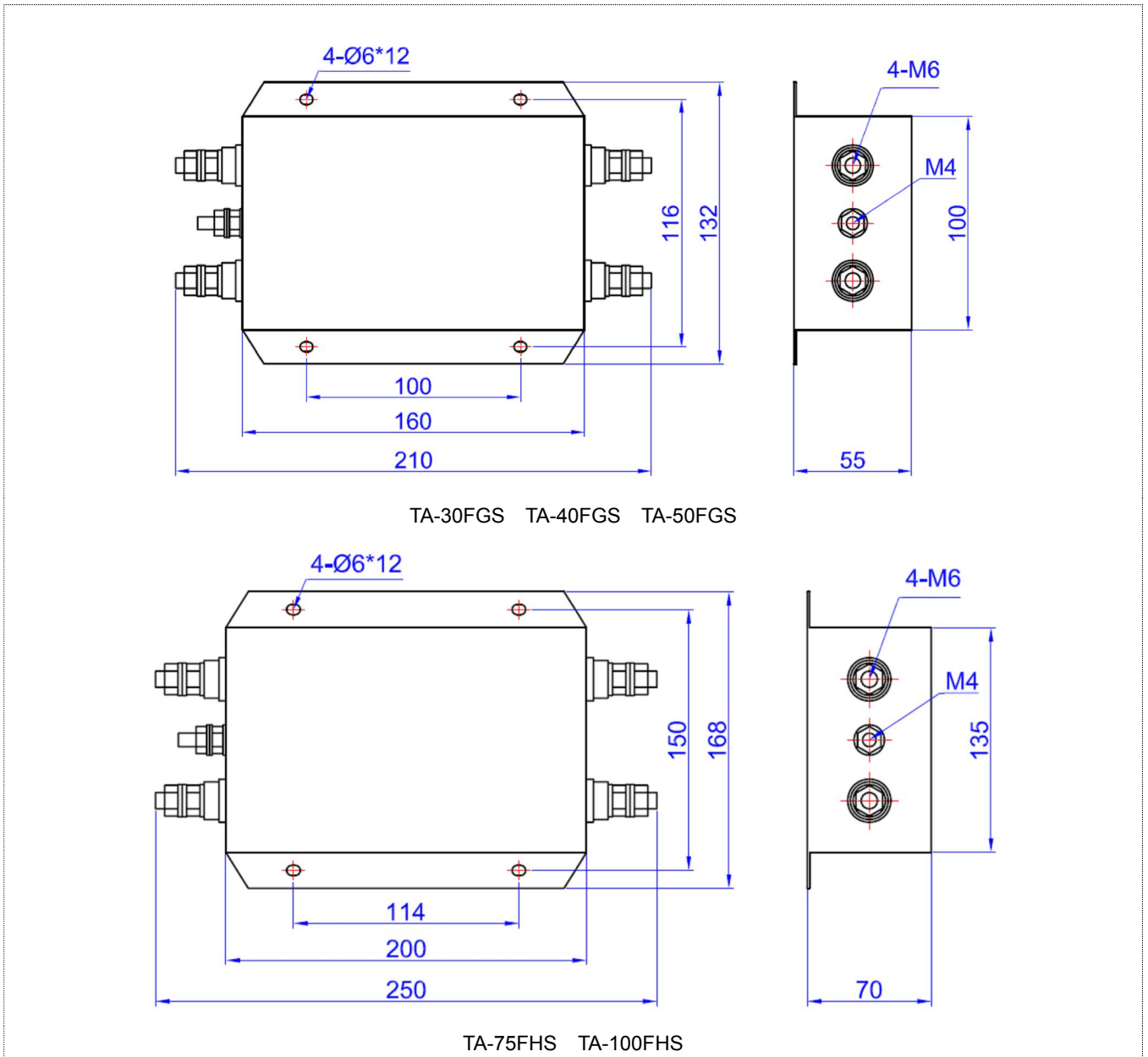
— 共模 (CM) ,--- 差模 (DM) CM/DM

50Ω 测量系统,GB7343/CISPR NO.17 出版物 Measured in 50 ohm system ,as GB7343 or CISPR NO.17




插入损耗 Insertion Loss in dB										
CM/DM										
频率 (MHz)	0.01	0.05	0.10	0.15	0.50	1.0	5.0	10	20	30
TA-1FCW	8/6	18/32	25/32	35/46	76/76	76/76	66/68	62/65	61/62	51/52
TA-3FCW	6/6	16/31	24/32	32/45	77/76	75/76	67/66	62/65	61/62	52/54
TA-1FDL	20/12	25/36	49/52	60/76	78/78	77/80	74/76	70/71	69/65	62/62
TA-3FDL	18/9	22/32	46/50	55/78	76/78	76/80	72/75	68/66	66/62	60/60
TA-3FPL	20/12	25/36	49/52	60/76	78/78	77/80	74/76	70/71	69/65	62/62
TA-6FPL	16/8	22/32	46/50	55/78	76/78	76/80	72/75	68/66	66/62	60/60
TA-6FEL	18/12	25/36	43/52	54/64	81/80	78/80	78/78	71/72	60/60	61/62
TA-10FEL	12/11	18/38	26/36	40/50	74/79	76/76	72/73	72/70	65/65	60/61
TA-6FSL	18/12	25/36	43/52	54/64	81/80	78/80	78/78	71/72	60/60	61/62
TA-10FSL	12/11	18/38	26/36	40/50	74/79	76/76	72/73	72/70	65/65	60/61
TA-20FFS	16/12	21/46	28/38	38/49	76/80	76/80	76/80	71/74	70/75	60/63
TA-30FGS	12/11	18/38	26/36	40/50	74/79	76/76	72/73	72/70	65/65	60/61
TA-40FGS	8/6	18/32	25/32	35/46	76/76	76/76	66/68	62/65	61/62	51/52
TA-50FGS	6/6	16/31	24/32	32/45	77/76	75/76	67/66	62/65	61/62	52/54
TA-75FHS	12/11	18/38	26/36	40/50	74/79	76/76	72/73	72/70	65/65	60/61
TA-100FHS	10/10	18/38	26/36	40/50	74/79	76/76	72/73	72/70	65/65	60/61

外形尺寸 Shape dimension





端接方式说明:

图示			
说明	美标 18 号电源线	焊片	镀镍铜螺栓

电源滤波器---单相高电压 440V 系列滤波器

EMC Filters --- Single phase high voltage 440V series filter

产品特点 Features

- ◆两级滤波电路，优异的共模、差模电磁干扰抑制特性，能有效滤除沿电源线传导的 EMI；
- ◆特殊的两线高压设计；

使用场合 Application

440VAC 两线供电的工业电子设备，电力电子设备，电机驱动及电源逆变器等。

技术参数 Technical Data

额定电压 Rated Voltage		440VAC			
工作频率 Operating Frequency		50/60Hz			
耐压试验 Test Voltage		线—线 L—L	2250VDC	1min	
		线—地 L—G	2000VAC	1min	
温度范围 temperature range		-25℃--+85℃			
型号 model	额定电流 Rated Current	电路类型 Electrical Schematics	端接方式 Termination methods		最大漏电流 Leakage current: (mA)
			输入 Input	输出 Output	
TA-1DCW1	1A	D			0.3
TA-3DCW1	3A				0.3
TA-3DPL1	3A				0.3
TA-6DPL1	6A				0.5
TA-10DPL1	10A				0.5
TA-20DES1	20A				0.5
TA-30DFS1	30A				0.5
TA-40DGS1	40A				0.5
TA-50DGS1	50A				0.5
TA-100DHS1	100A				0.5
TA-1CCW1	1A	C			0.8
TA-3CCW1	3A				0.8
TA-3CPL1	3A				0.8
TA-6CPL1	6A				0.8
TA-10CES1	10A				0.8
TA-20CFS1	20A				0.8
TA-30CFS1	30A				1.5
TA-50CGS1	50A				1.5
TA-100CHS1	100A				1.5

电路类型 Electrical schematics

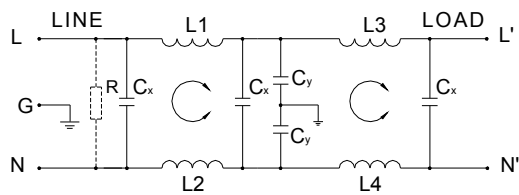


图 D

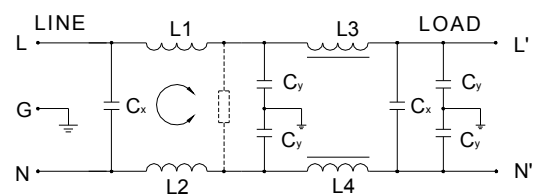


图 C

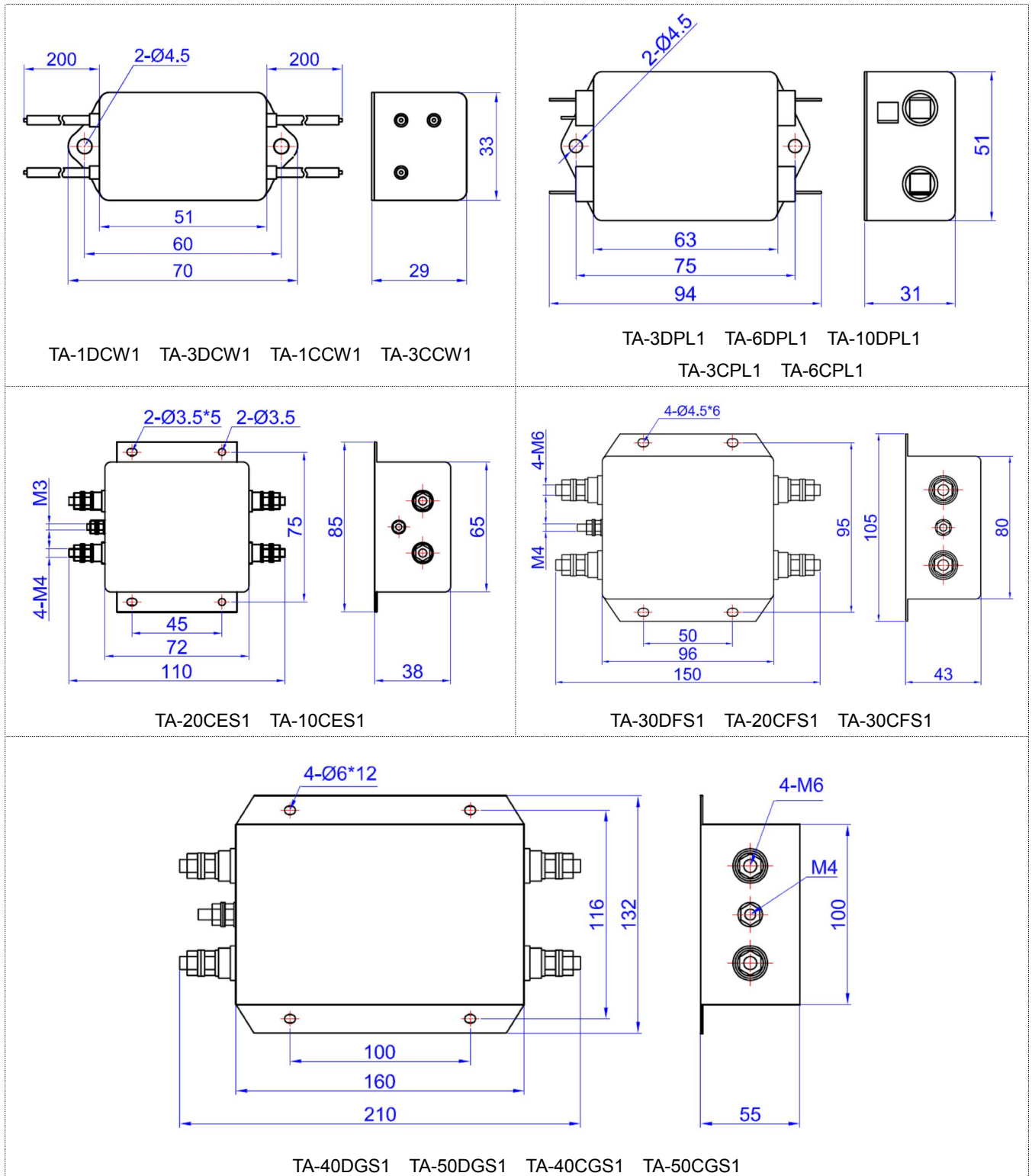
插入损耗 Insertion Loss in dB

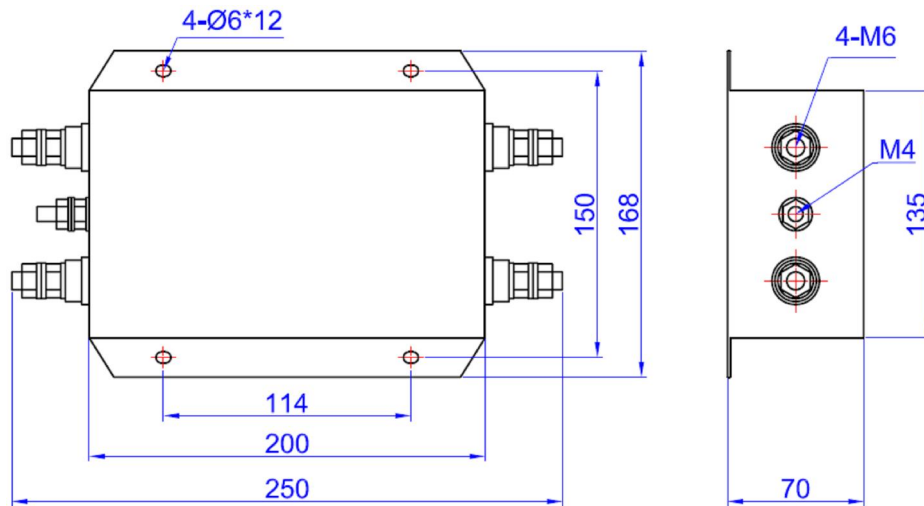
— 共模 (CM) ,--- 差模 (DM) CM/DM

50Ω 测量系统,GB7343/CISPR NO.17 出版物 Measured in 50 ohm system ,as GB7343 or CISPR NO.17

插入损耗 Insertion Loss in dB										
CM/DM										
频率 (MHz)	0.01	0.05	0.10	0.15	0.50	1.0	5.0	10	20	30
TA-1DCW1	16/9	22/8	31/10	33/11	76/32	78/65	72/74	62/65	59/58	52/55
TA-3DCW1	13/7	21/8	30/10	31/11	77/31	77/66	71/70	63/64	60/61	54/56
TA-3DPL1	13/8	21/10	38/12	40/11	78/46	80/68	68/60	63/64	62/55	60/56
TA-6DPL1	10/7	12/8	36/10	40/11	76/30	77/66	71/70	63/64	60/61	58/56
TA-10DPL1	10/6	12/7	26/11	27/12	66/20	71/60	72/68	63/64	60/61	58/57
TA-20DES1	8/7	12/12	25/16	28/18	65/40	72/73	62/65	60/62	58/60	56/59
TA-30DFS1	6/6	13/12	15/16	16/18	58/38	66/73	76/61	70/59	58/60	54/56
TA-40DGS1	6/6	13/12	15/16	16/18	58/38	66/73	76/61	70/59	58/60	54/56
TA-50DGS1	6/6	13/12	15/16	16/18	58/38	66/73	76/61	70/59	58/60	54/56
TA-100DHS1	6/6	13/12	15/16	16/18	58/38	66/73	76/61	70/59	58/60	54/56
TA-1CCW1	18/12	32/40	38/55	40/52	65/63	72/65	65/64	63/64	58/60	56/59
TA-3CCW1	14/10	26/38	30/42	30/40	41/50	68/65	66/60	64/56	62/52	56/56
TA-3CPL1	15/10	26/38	33/42	34/40	51/60	70/69	66/60	64/56	60/56	56/56
TA-6CPL1	12/10	26/31	33/41	34/39	46/62	72/69	66/60	64/56	60/56	56/55
TA-10CES1	10/8	24/38	27/40	27/39	42/58	66/63	65/60	63/60	62/58	58/56
TA-20CFS1	11/8	24/35	27/38	27/39	39/49	69/63	65/62	63/59	59/59	52/56
TA-30CFS1	10/8	24/35	27/38	27/39	39/49	69/63	65/62	63/59	59/59	52/56
TA-50CGS1	9/8	24/35	27/38	27/39	39/49	69/63	65/62	63/59	59/59	52/56
TA-100CHS1	6/8	24/35	27/38	27/39	39/49	69/63	65/62	63/59	59/59	52/56




外形尺寸 Shape dimension





TA-75DHS1 TA-100DHS1 TA-75CHS1 TA-100CHS1

端接方式说明:

图示			
说明	美标 18 号电源线	焊片	镀镍铜螺栓

电源滤波器---单相双节系列滤波器

EMC Filters ---- Single phase double filter series



























产品特点 Features

- ◆单相双节系列，两级共模滤波电路，良好的电磁干扰抑制特性；
- ◆内部节点保持在相对稳定的阻抗上，对源及负载的阻抗依赖较小，滤波性能稳定；
- ◆能有效抑制连续或间隙性脉冲干扰；
- ◆可按不同性能，工作电流，电压，外形尺寸和端接方式等要求定制




使用场合 Application

- ◆用于大多数数字设备，抑制连续或间隙性脉冲干扰；
- ◆用于存在瞬态干扰的场合及要求通过 FCC B 级别、VDE0871 级别电磁兼容测试的电子设备，特别是对通讯设备、电力监控、消防报警及各种单片机、PLC、门阵列组成的微控制系统的干扰抑制效果显著。

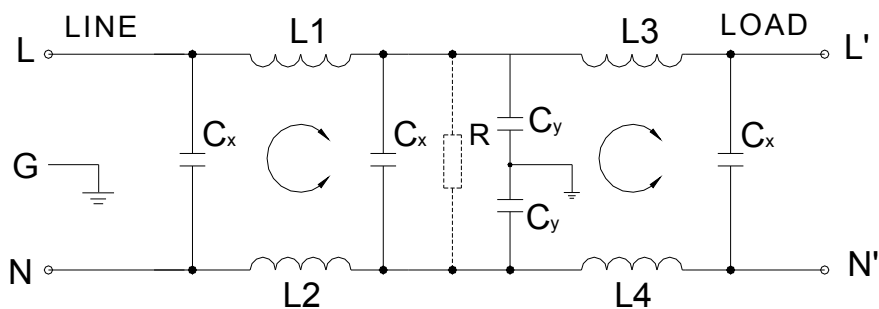
技术参数 Technical Data

额定电压 Rated Voltage		125/250VAC			
工作频率 Operating Frequency		50/60Hz			
温度范围 temperature range		-25℃--+85℃			
型号 model	额定电流 Rated Current	最大漏电流 Leakage current:	耐压试验 Test Voltage	端接方式 Termination methods	
				输入 Input	输出 Output
TA-1DBW	1A	0.3mA	1768VDC, 1min (L-L) 2000VAC, 1min (L-G)		
TA-3DBW	3A	0.3mA			
TA-3DCW	3A	0.3mA			
TA-6DDL	6A	0.3mA			
TA-6DPL	6A	0.5mA			
TA-10DPL	10A	0.5mA			
TA-20DES	20A	0.5mA			
TA-20DSS	20A	0.5mA			
TA-30DFS	30A	0.5mA			
TA-40DGS	40A	0.5mA			
TA-50DGS	50A	0.5mA			
TA-75DHS	75A	1.0mA			
TA-100DHS	100A	1.0mA			

端接方式说明:

图示			
说明	美标 18 号电源线	焊片	镀镍铜螺栓

电路类型 Electrical schematics



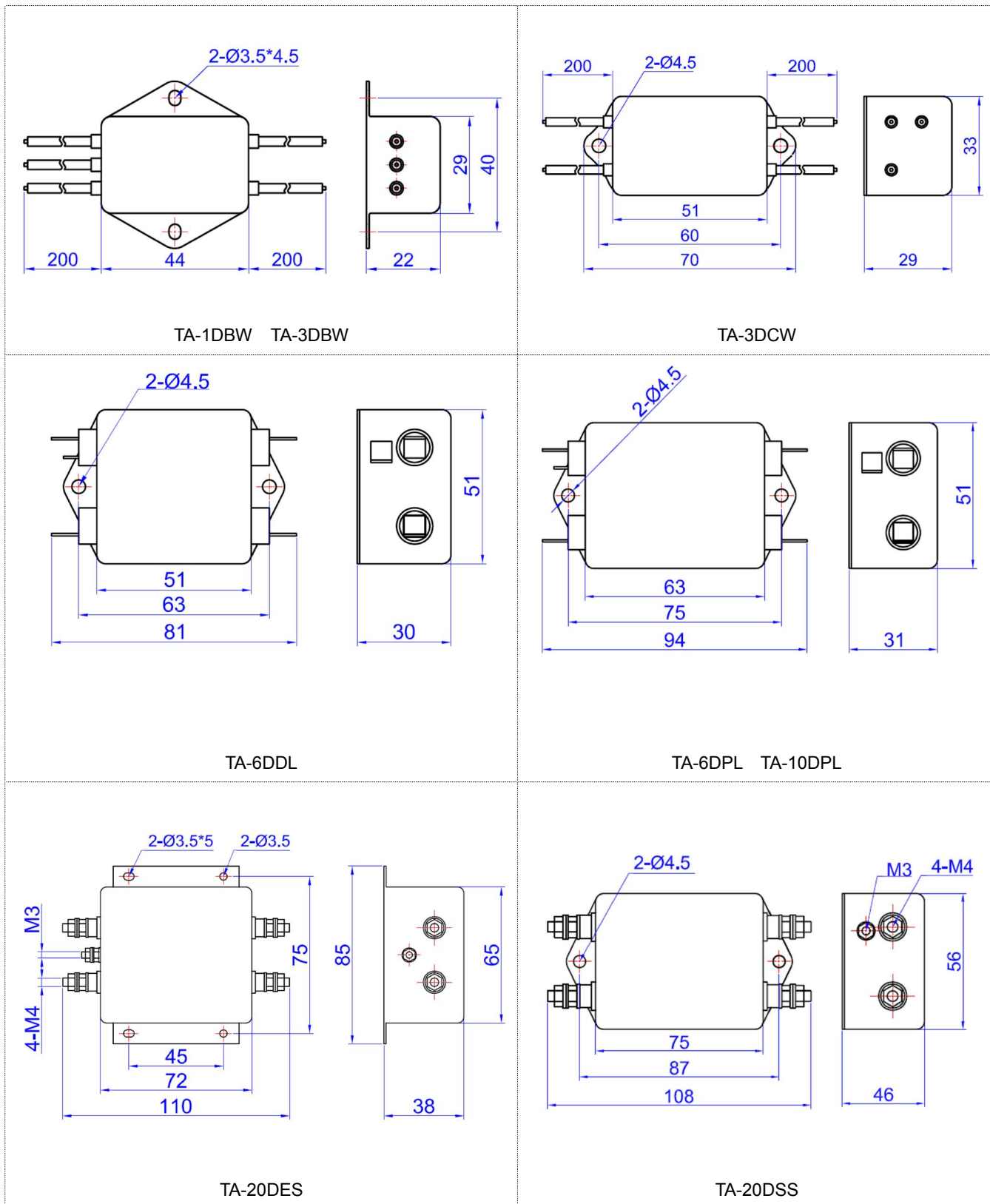
插入损耗 Insertion Loss in dB

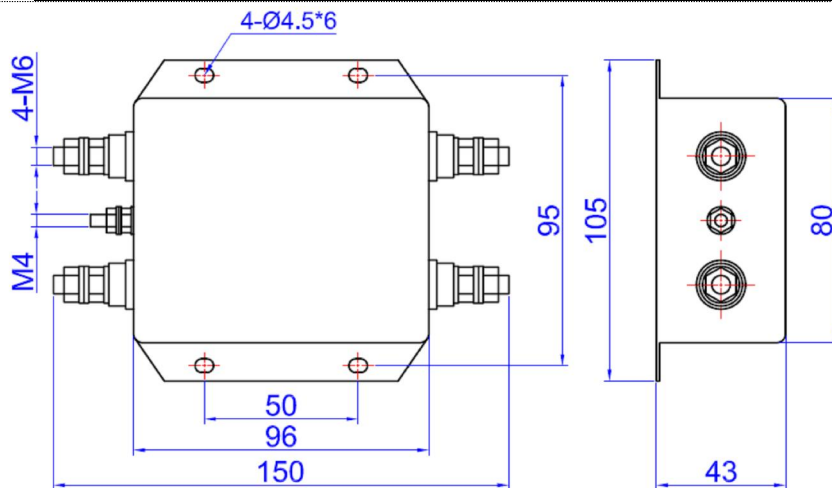
— 共模 (CM) , --- 差模 (DM) CM/DM

50Ω 测量系统,GB7343/CISPR NO.17 出版物 Measured in 50 ohm system ,as GB7343 or CISPR NO.17

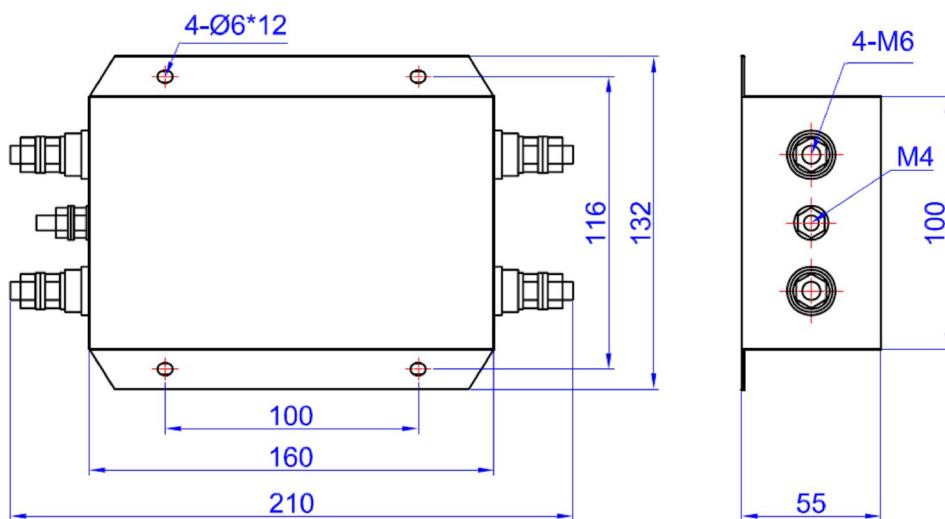
插入损耗 Insertion Loss in dB CM/DM										
频率 (MHz) 型 号	0.01	0.05	0.10	0.15	0.50	1.0	5.0	10	20	30
TA-1DBW	12/8	21/18	24/21	26/24	51/56	60/68	76/80	68/71	65/66	56/55
TA-3DBW	9/6	16/16	17/18	22/20	46/51	56/66	74/79	67/71	63/63	53/53
TA-3DCW	9/6	16/16	17/18	22/20	46/51	56/66	74/79	67/71	63/63	53/53
TA-6DDL	10/8	18/16	19/18	24/20	50/51	61/66	75/79	66/71	61/63	54/53
TA-6DPL	12/12	20/21	24/28	42/30	80/78	78/78	71/74	62/69	56/61	52/56
TA-10DPL	10/10	18/21	21/26	42/30	79/79	76/76	68/74	60/67	52/60	49/52
TA-20DES	8/12	16/23	14/19	27/31	74/79	76/76	65/70	66/72	58/60	54/52
TA-20DSS	8/12	16/23	14/19	27/31	74/79	76/76	65/70	66/72	58/60	54/52
TA-30DFS	8/12	15/23	18/24	40/39	33/44	42/52	60/76	67/76	63/68	62/63
TA-40DGS	8/12	15/23	18/24	40/39	33/44	42/52	60/76	67/76	63/68	62/63
TA-50DGS	6/10	12/20	16/21	26/32	56/62	62/74	66/75	70/71	62/64	61/62
TA-75DHS	6/10	12/20	16/21	26/32	56/62	62/74	66/75	70/71	62/64	61/62
TA-100DHS	6/9	10/18	35/36	52/64	74/78	78/79	78/77	71/69	61/62	58/56

外形尺寸 Shape dimension

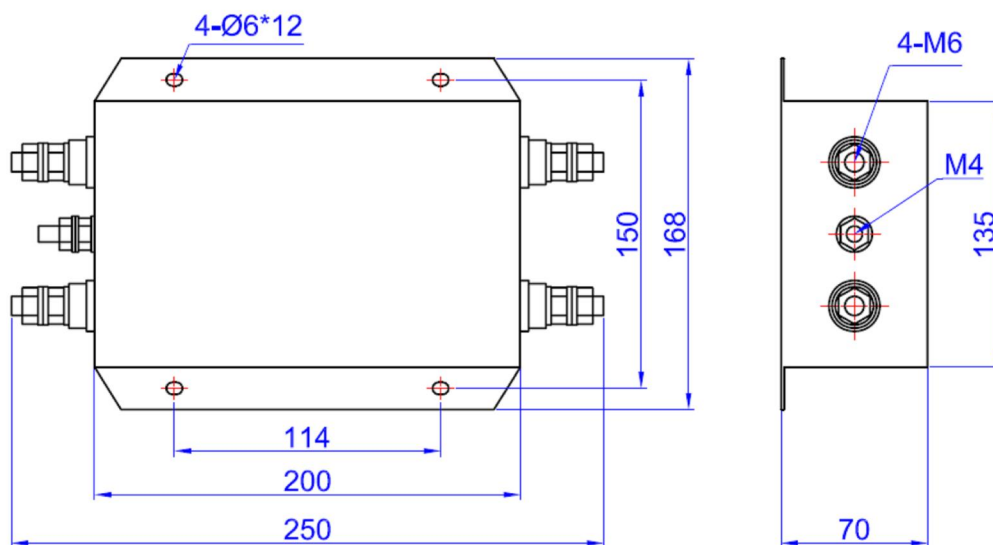




TA-30DFS



TA-40DGS TA-50DGS



TA-75DHS TA-100DHS

电源滤波器---单相通用系列滤波器

EMC Filters --- General Purpose Power Filters

产品特点 Features

◆常规通用，高性价比，结构紧凑，安装方便。

General purpose,high performance/cost ratio, very compact and easy to mount.

◆可按不同性能，工作电流，电压，外形尺寸和端接方式等要求定制

Customization design for different requirements such as performance, rated current, rated voltage, shape dimension and termination methods

使用场合 Application

◆用于各种电力电子设备，电子测量仪器 For electronic equipments and measuring instruments

技术参数 Technical Data

额定电压 Rated Voltage		250VAC			
工作频率 Operating Frequency		50/60Hz			
耐压试验 Test Voltage		线—线 L—L	1768VDC	1min	
		线—地 L—G	2000VAC	1min	
气候类别 Climatic category		25/85/21			
型号 model	额定电流 Rated Current (A)	电路类型 Electrical Schematics	端接方式 Termination methods		最大漏电流 Leakage current: (mA)
			输入 Input	输出 Output	
TA-1ABW	1	A			0.3
TA-3ABW	3				0.3
TA-6ABW	6				0.3
TA-6ACW	6				0.5
TA-3AML	3				0.5
TA-6AML	6				0.5
TA-10AML	10				0.5
TA-6BDL	6	B			0.3
TA-10BDL	10				0.3
TA-10BPL	10				0.3
TA-20BPS	20				0.5
TA-30BES	30				0.5
TA-50BFS	50				0.5
TA-60BGS	60				0.3
TA-100BGS	100				0.5

电路类型 Electrical schematics

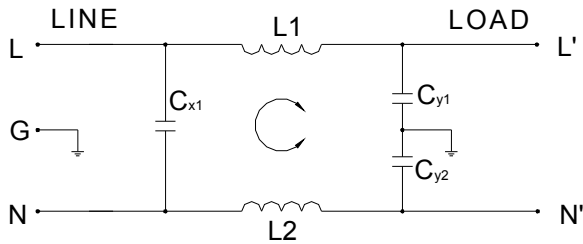


图 A

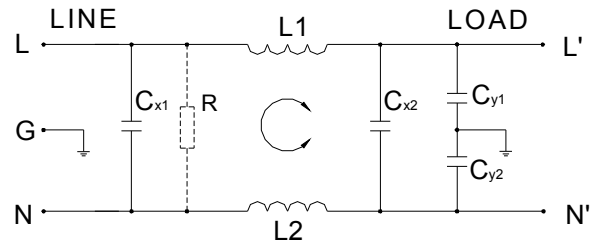


图 B

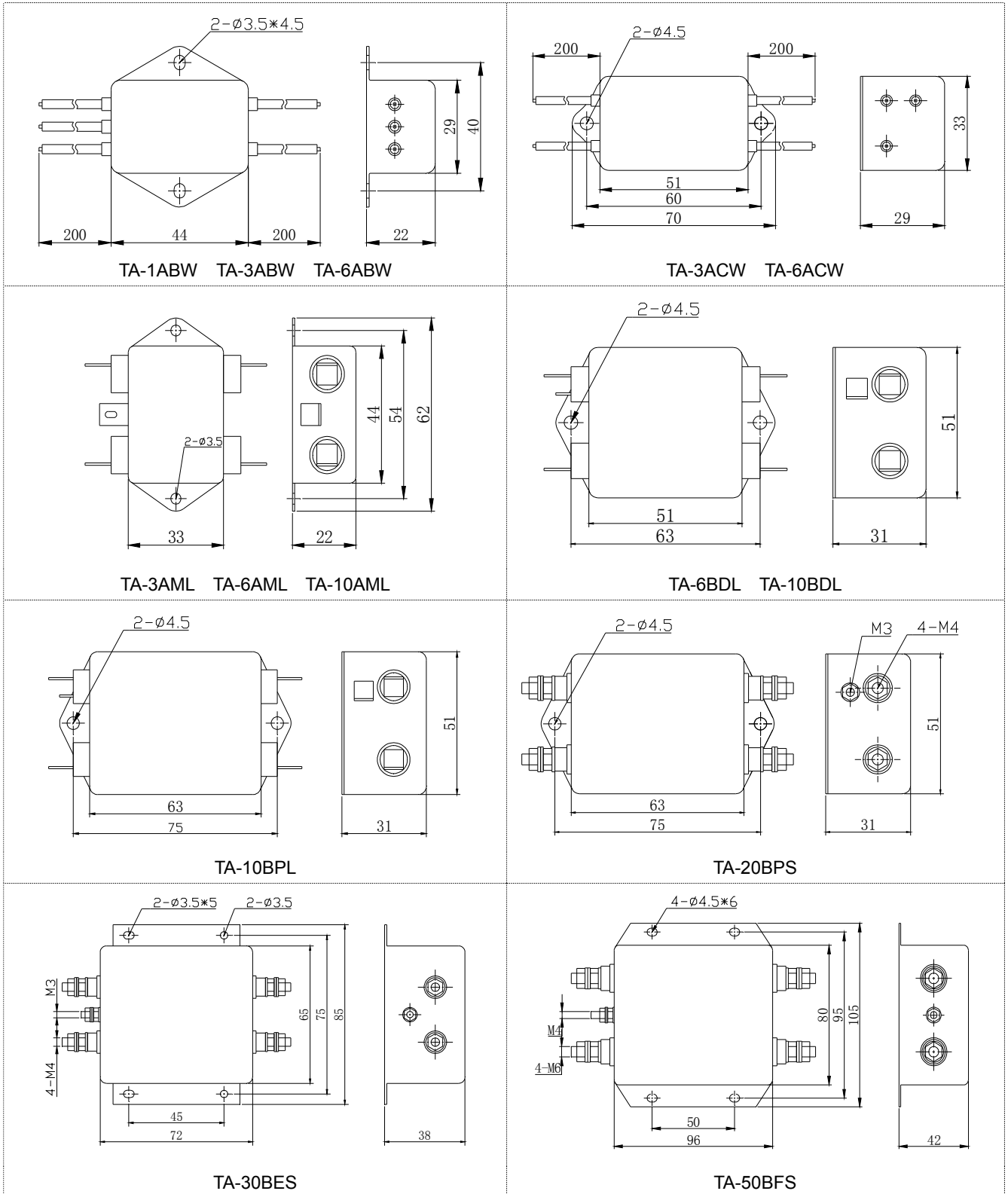
插入损耗 Insertion Loss in dB

— 共模 (CM), --- 差模 (DM) CM/DM

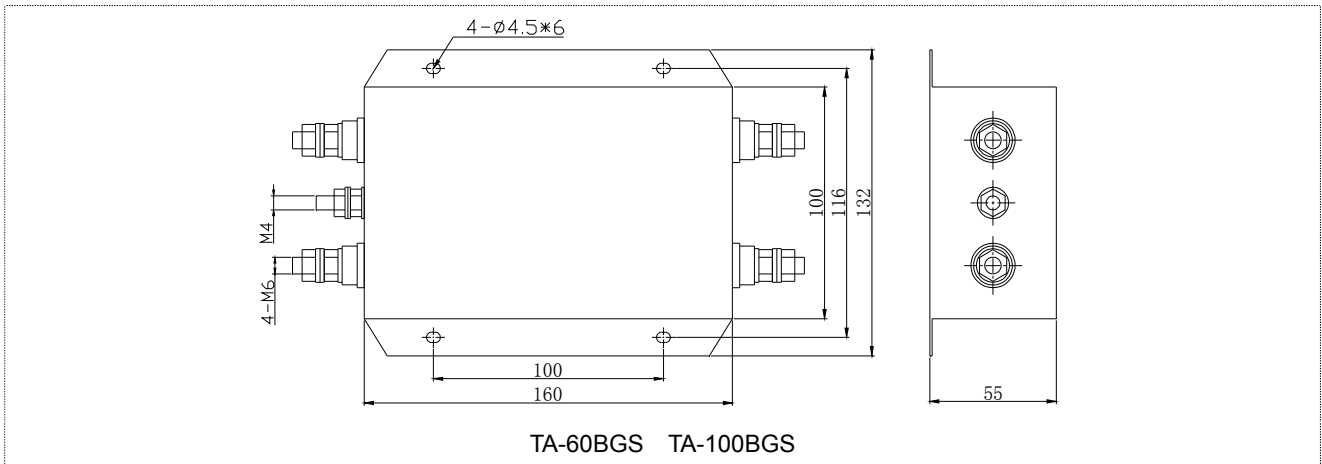
50Ω 测量系统, GB7343/CISPR NO.17 出版物 Measured in 50 ohm system, as GB7343 or CISPR NO.17

插入损耗 Insertion Loss in dB										
CM/DM										
频率 (MHz)	0.01	0.05	0.10	0.15	0.50	1.0	5.0	10	20	30
TA-1ABW	11/5	23/10	29/15	32/19	37/29	41/36	49/53	52/55	55/54	50/52
TA-3ABW	11/5	23/10	29/15	32/19	37/29	41/36	49/53	52/55	55/54	50/52
TA-6ABW	5/4	13/9	19/15	22/18	31/28	53/33	49/55	52/57	56/56	58/52
TA-6ACW	10/4	21/9	30/15	34/18	36/28	53/33	49/55	52/57	56/56	58/52
TA-3AML	12/8	24/12	29/15	32/20	38/30	41/36	50/52	56/57	56/52	51/50
TA-6AML	5/3	14/10	19/16	24/20	32/30	36/36	50/54	52/57	60/61	58/56
TA-10AML	9/6	12/10	20/18	28/26	38/40	46/48	56/58	60/61	58/63	62/62
TA-6BDL	11/7	32/18	30/21	32/22	37/50/	42/53	53/63	53/63	68/65	62/68
TA-10BDL	6/5	16/18	22/21	24/35	32/45	34/47	46/54	56/63	68/66	62/64
TA-10BPL	9/8	22/16	28/15	30/21	42/70	56/86	60/78	63/70	70/72	61/68
TA-20BPS	5/8	15/16	21/15	22/21	38/70	46/86	58/78	63/70	70/72	61/68
TA-30BES	5/6	12/21	18/26	20/24	30/35	28/38	42/46	43/52	52/53	65/68
TA-50BFS	5/9	15/21	20/26	22/26	25/36	30/38	42/46	43/52	52/52	65/68
TA-60BGS	4/7	12/18	16/23	22/26	23/32	30/40	42/46	45/56	56/58	61/63
TA-100BGS	10/8	12/16	20/24	28/27	31/38	39/41	46/50	51/60	62/63	58/60

外形尺寸 Shape dimension



外形尺寸 Shape dimension



安装提示:

1. 安装位置: 滤波器安装的最佳位置应在电源线入口处, 以缩短输入线在机箱内的长度, 减少辐射干扰的空间耦合;
2. 接地: 滤波器的接地必须良好。对于金属外壳的滤波器, 外壳必须与设备机箱进行低阻抗连接, 即外壳必须与机箱面板面导电接触, 并接好地线;
3. 滤波器输入端和输出端的布线: 滤波器的输入线、输出线必须拉开距离, 切忌并行走线, 以避免输入线缆和输出线缆间发生耦合而旁路了滤波器, 造成滤波器失效。