

## 第九章 附录

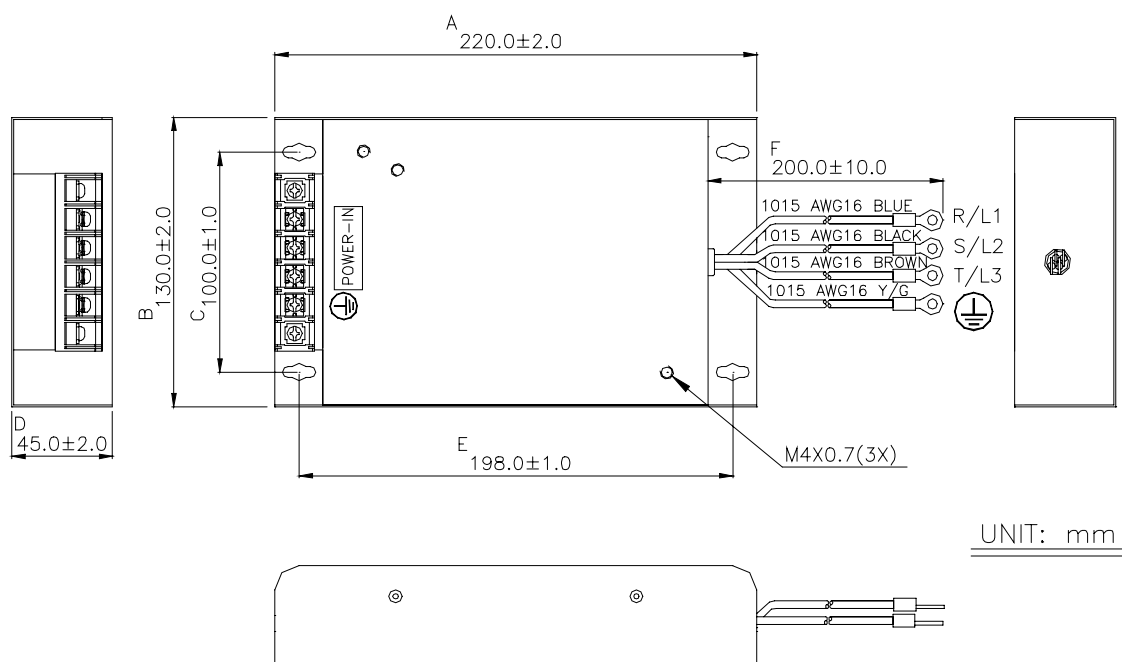
### 适用电磁干扰滤波器一览表

VFD-M 系列交流电机驱动器之 CE 自我宣告乃配合台达生产之电磁干扰滤波器（EMI Filter）完成。交流电机驱动器与适用电磁干扰滤波器之对照关系如下表所示：

机 种	电磁干扰滤波器~输入端机型
VFD004M21B, VFD007M21B, VFD015M21B	20DRT1W3S
VFD007M43B, VFD015M43B, VFD022M43B	11TDT1W4S
VFD022M23B, VFD004M23A, VFD007M23A, VFD015M23A	16TDT1W4S
VFD022M21A	32DRT1W3C
VFD037M23A, VFD055M23A	40TDS4W4B
VFD037M43A, VFD055M43A	17TDT1W44
VFD075M43A	26TDT1W4B4

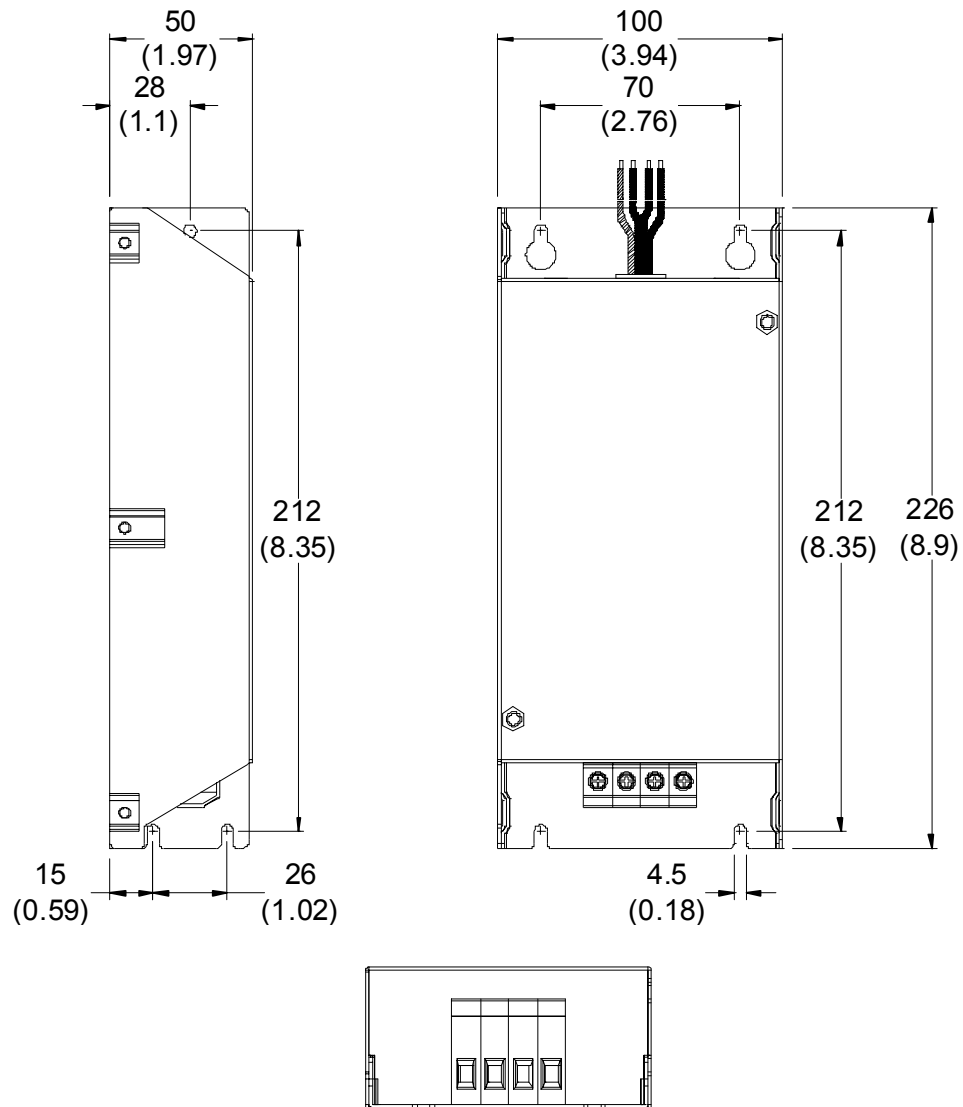
若您欲配合台达生产之电磁干扰滤波器来使用交流电机驱动器，可由上表得知适用之电磁干扰滤波器。

EMI Filter (16TDT1W4S) Used on 0.5-3 HP/230V Three Phase Models.

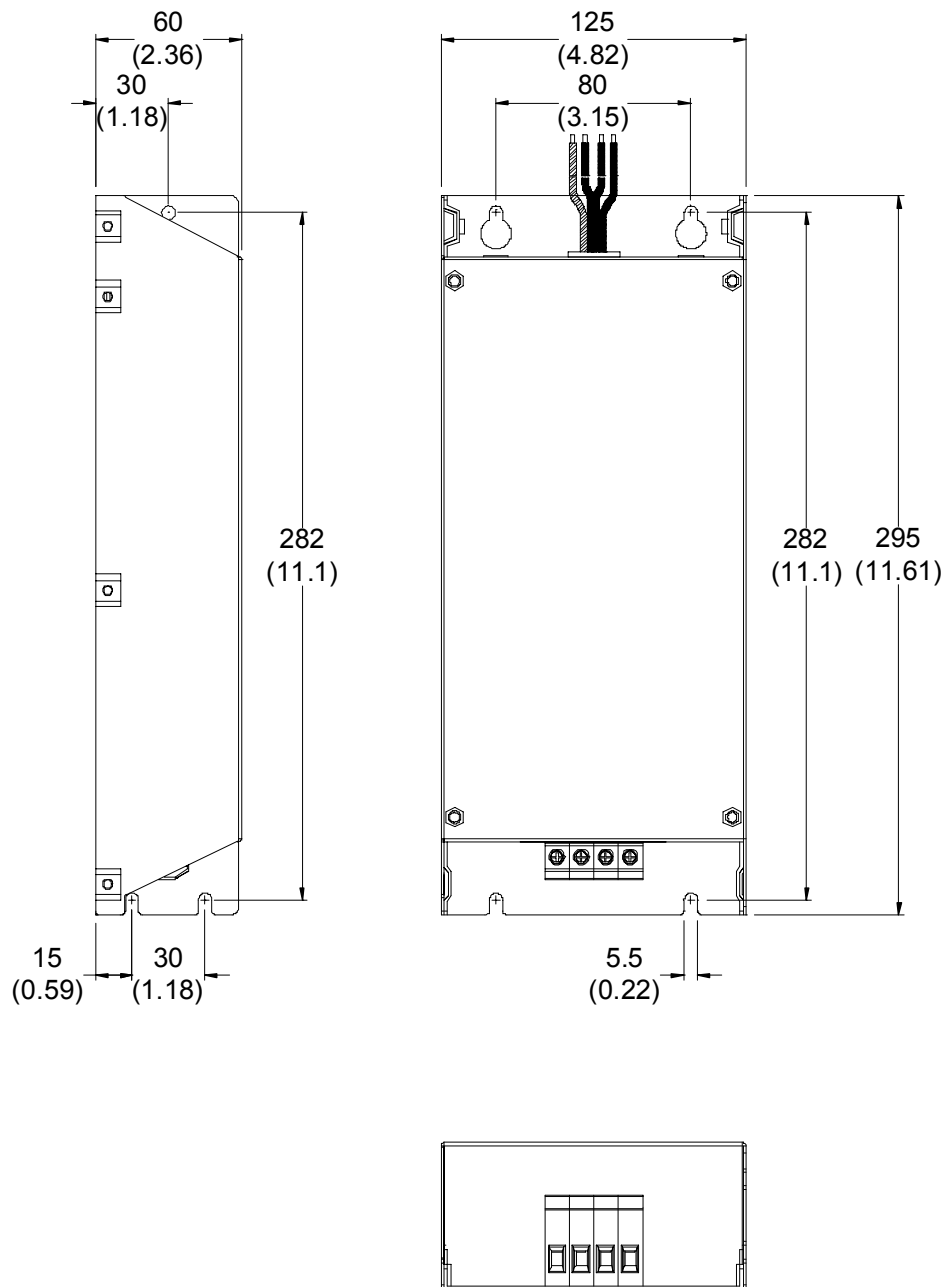


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EMI Filter (RF015M21AA / RF022M43AA)

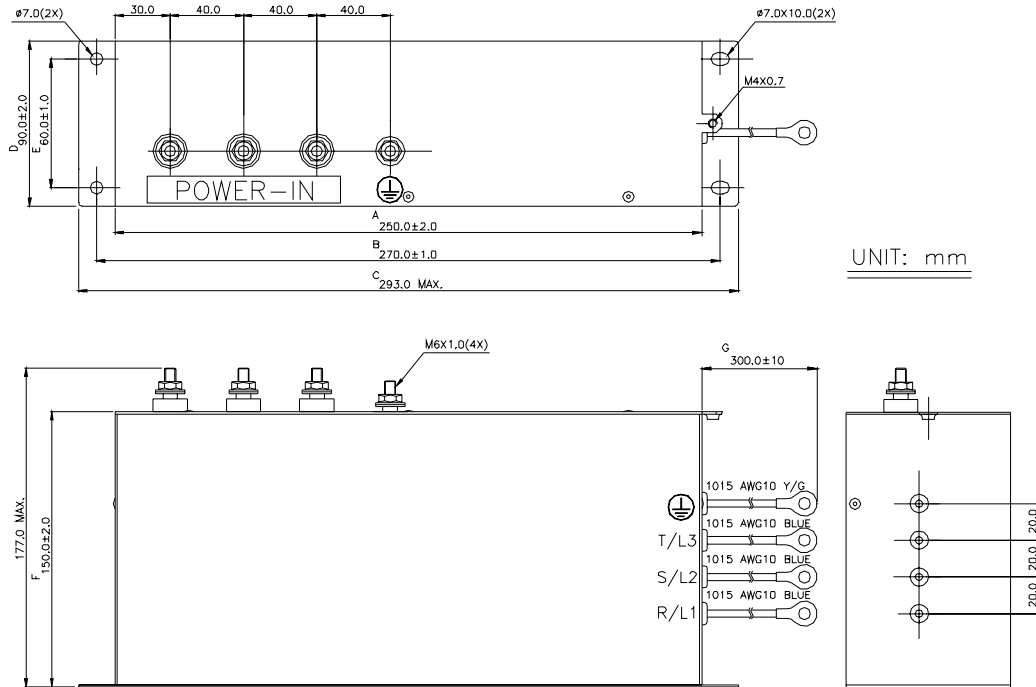


EMI Filter (RF022M21BA / RF075M43BA)



**B**

## EMI Filter (40TDS4W4B) Used on 5-7.5 HP/230V Three Phase Models.




注：若交流电机驱动器的安装环境中，有对电磁干扰较为敏感的仪器设备时，建议於驱动器输出侧加装 EMI Cores，绕的圈数视使用环境的 noise 大小而做调整。

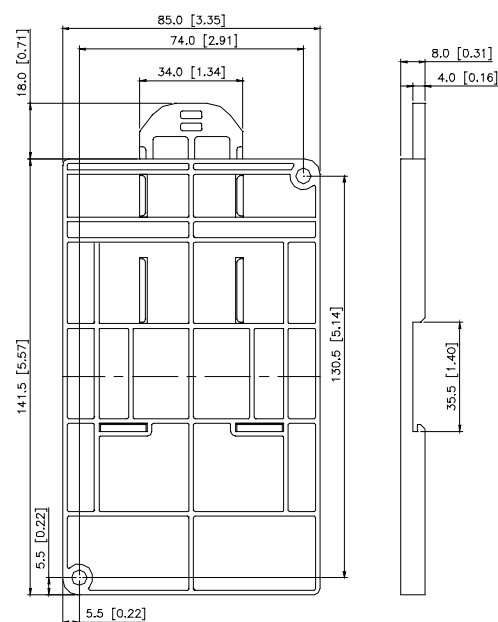
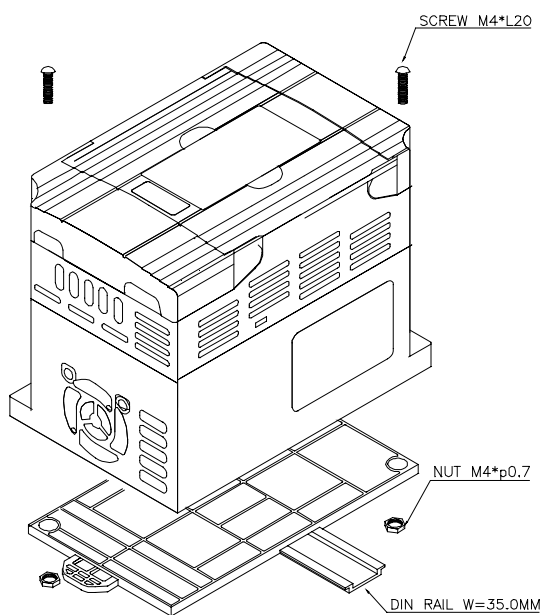
Cores	$\mu i$	Core size
CTC633826A	5000	63 × 38 × 26
CTC513113A	10000	51 × 31 × 13
CTC684413B	5500	68 × 44 × 13
BTC604018B	5500	60 × 40 × 18

## Din Rail-DR01 Adapter

Units: mm (inch)

Models
VFD004M21A, VFD007M21A, VFD015M21A, VFD004M23A, VFD007M23A, VFD015M23A.

 To mount the drive on a Din Rail adapter, place the drive and mounting plate on the rail and push the lever toward the rail.




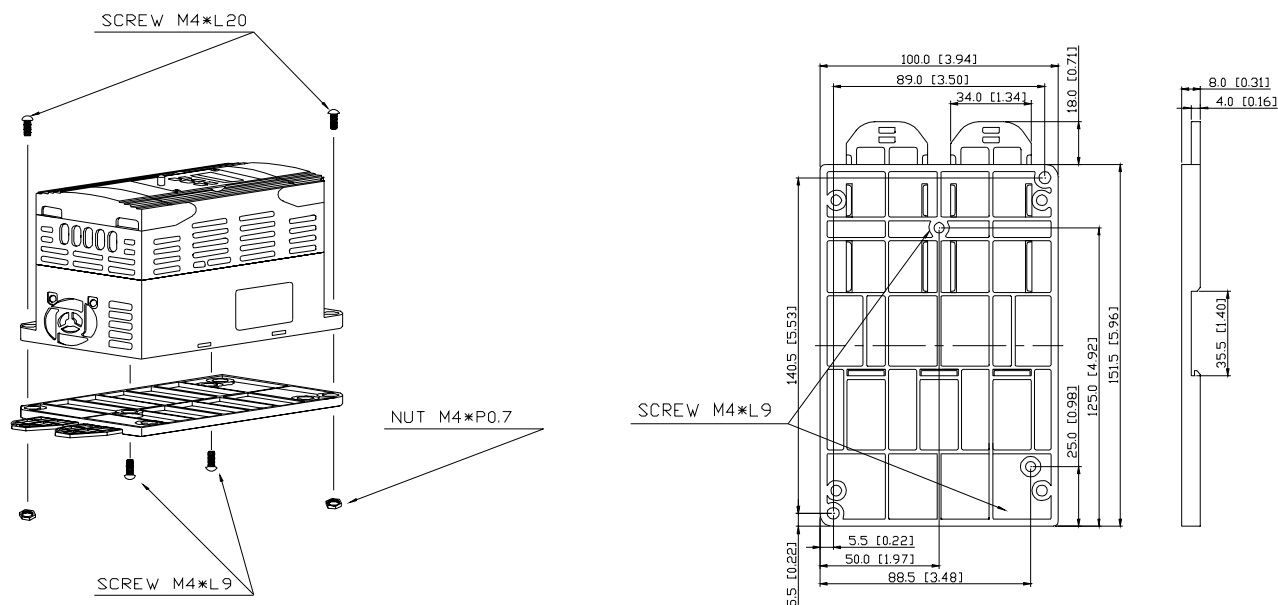
**B**

## Din Rail-DR02 Adapter

Units: mm (inch)

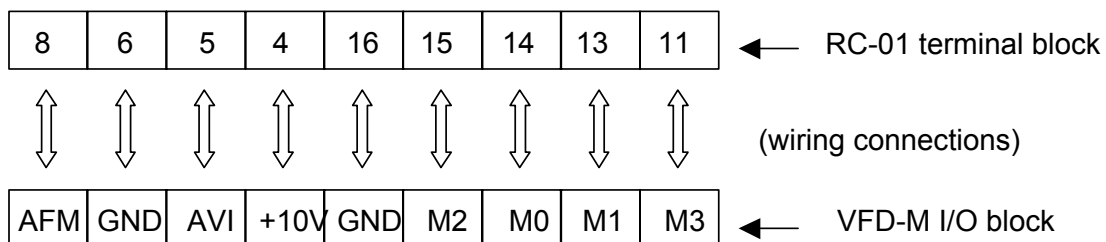
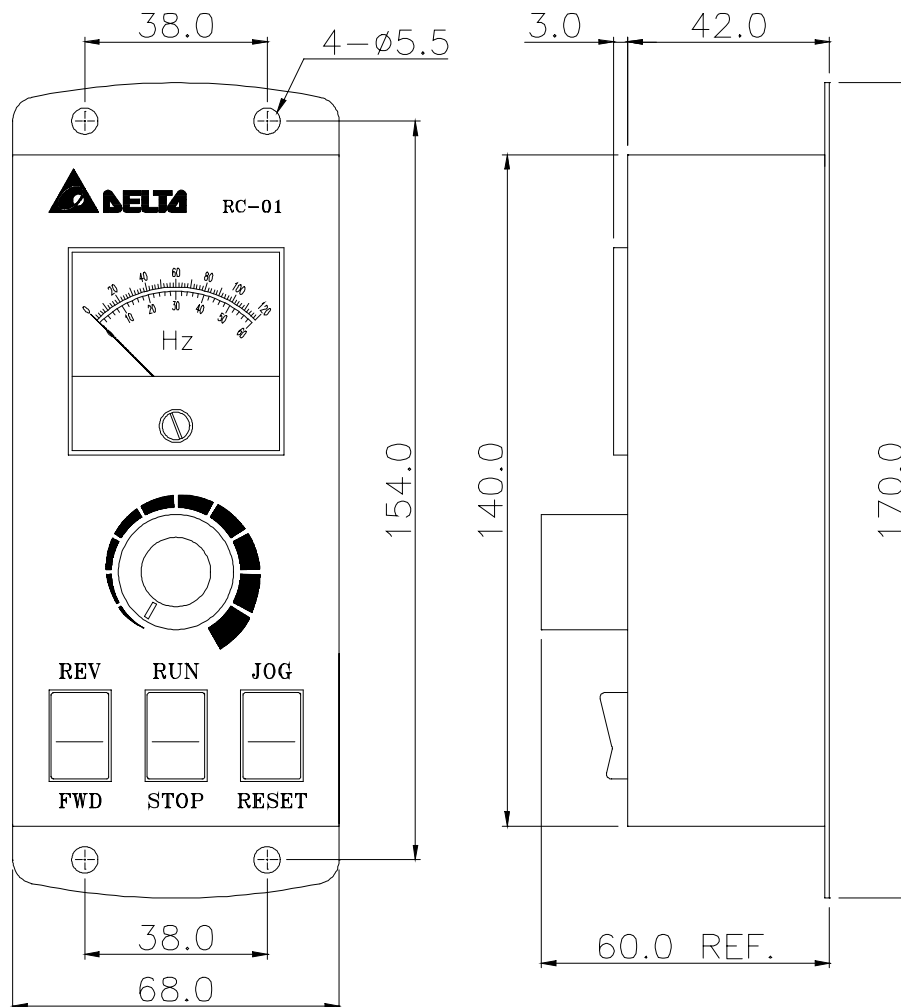
Models
VFD004M21B, VFD007M21B, VFD015M21B, VFD007M43B, VFD015M43B, VFD022M23B, VFD022M43B

 To mount the drive on a Din Rail adapter, place the drive and mounting plate on the rail and push the lever toward the rail.



## Remote Controller RC-01

Unit: mm (inch)



## VFD-M Programming

Pr.00 set to d01 (jumper #5 must be across pins 2&3)

Pr.01 set to d01 (external controls)

Pr.38 set to d01 (M0, M1 set as run/stop and fwd/rev)

Pr.39 set to d05 (M2 set for reset)

Pr.40 set to d09 (M3 set for jog select)

## 煞车电阻选用一览表

电压	适用电机		全载输出转矩 kG-M	应用电阻规格	制动电阻料号	用量	制动转矩 10%ED%	最小 电阻值
	HP (4 极)	kW						
200V 系列	1/2	0.5	0.216	80W 200 $\Omega$	BR080W200	1	220	200
	1	0.5	0.427	80W 200 $\Omega$	BR080W200	1	125	80 $\Omega$
	2	0.75	0.849	300W 100 $\Omega$	BR300W100	1	125	55 $\Omega$
	3	1.5	1.262	300W 70 $\Omega$	BR300W070	1	125	35 $\Omega$
	5	3.7	2.080	400W 40 $\Omega$	BR400W040	1	125	25 $\Omega$
	7.5	5.5	3.111	500W 30 $\Omega$	BR500W030	1	125	16 $\Omega$
460V 系列	1/2	0.5	0.216	80W 750 $\Omega$	BR080W750	1	230	750
	1	0.75	0.427	80W 750 $\Omega$	BR080W750	1	125	260 $\Omega$
	2	1.5	0.849	300W 400 $\Omega$	BR300W400	1	125	190 $\Omega$
	3	2.2	1.262	300W 250 $\Omega$	BR300W250	1	125	145 $\Omega$
	5	3.7	2.080	400W 150 $\Omega$	BR400W150	1	125	95 $\Omega$
	7.5	5.5	3.111	500W 100 $\Omega$	BR500W100	1	125	60 $\Omega$
	10	7.5	4.148	1000W 75 $\Omega$	BR1K0W075	1	125	45 $\Omega$

注意事项：

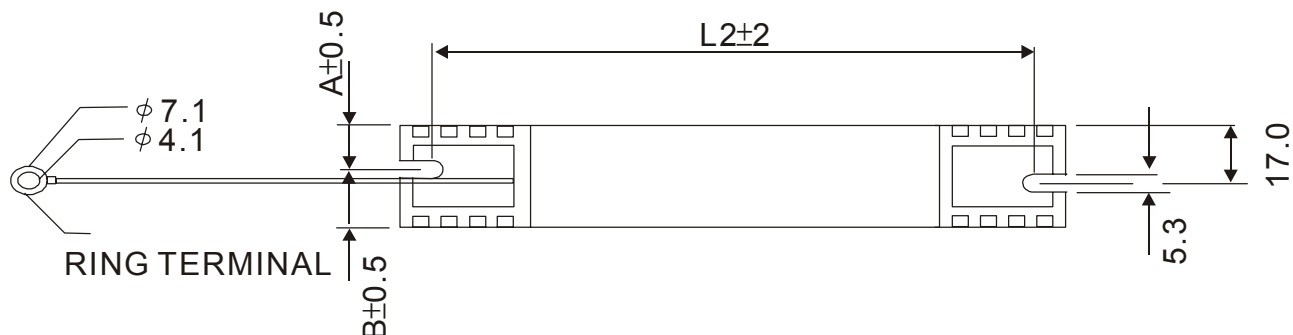
1. 请选择本公司所制定的电阻值瓦特数及使用的频率(ED%)。
2. 若使用非本公司所提供的煞车电阻及制动模组而导致驱动器或其它设备损坏，本公司则不承担担保固期的责任。
3. 煞车电阻的安装务必考虑周围环境的安全性、易燃性，距离变频器本体至少 10cm。若要使用最小电阻值时，瓦特数的计算请与代理商洽谈。

## 煞车电阻尺寸

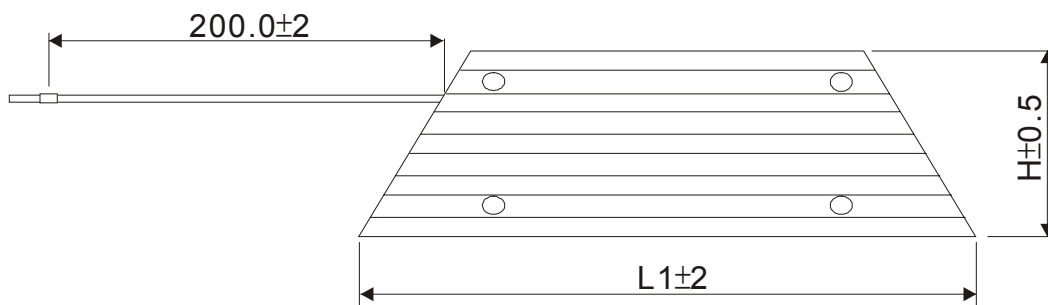
MVR120/200

BRXXXXXX

UNIT: mm.

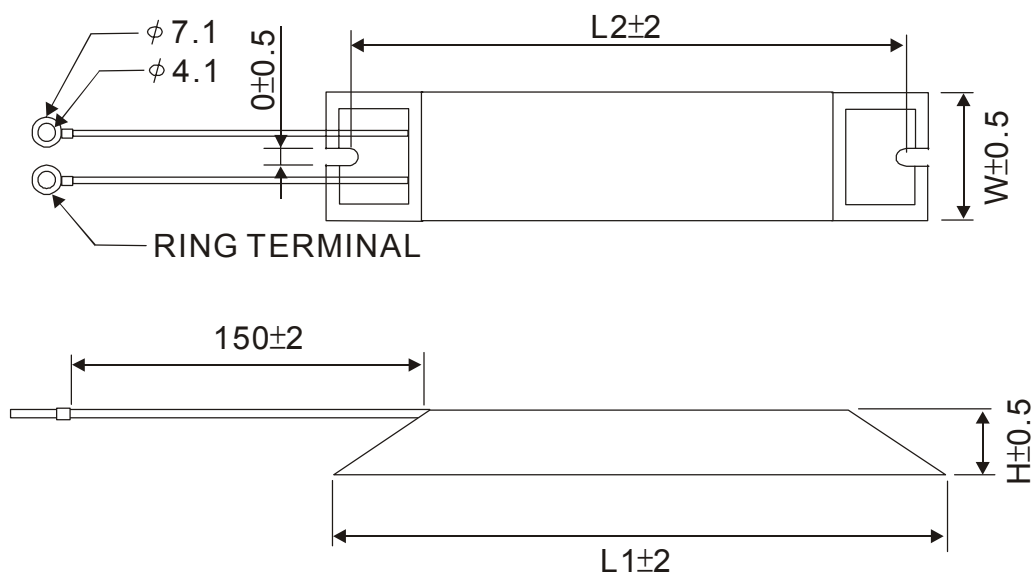






TYPE	L1	L2	H	A	B	MAX. Weight (g)
MVR050W120	165	150	40	8.0	12.0	240
MVR080W120	165	150	40	8.0	12.0	240
MVR200W120	165	150	40	8.0	12.0	240
MVR050W200	165	150	40	15.0	15.0	460
MVR080W200	165	150	40	15.0	15.0	460
MVR200W200	165	150	40	15.0	15.0	460
BR200W040	165	150	40	13.0	17.0	460
BR200W070	165	150	40	13.0	17.0	460
BR200W150	165	150	40	13.0	17.0	460
BR200W250	165	150	40	13.0	17.0	460

MHR120  
BRXXXXX



TYPE	L1	L2	H	D	W	MAX. Weight (g)
MVR200W120	165	150	20	5.3	40	240
MVR080W120	165	150	20	5.3	40	240
MVR200W120	140	125	20	5.3	60	160
MVR050W200	140	125	20	5.3	60	160
MVR080W200	215	200	30	5.3	60	750

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MVR200W200	215	200	30	5.3	60	750
BR200W040	215	200	30	5.3	60	750
BR200W070	215	200	30	5.3	60	750
BR200W150	265	250	30	5.3	60	930
BR200W250	265	250	30	5.3	60	930

## CE 自我宣告



DELTA ELECTRONICS, INC.

### EC Declaration of Conformity

according to the Low Voltage Directive 73/23/EEC and the

Amendment Directive 93/68/EEC

For the following equipment:

AC Motor Drive

(Product Name)

VFD004M23A, VFD007M23A,

VFD015M23A, VFD004M21B, VFD007M21B, VFD007M43B, VFD015M21B,

VFD015M43B, VFD022M23B, VFD022M43B

(Model Name)

is herewith confirmed to comply with the requirements set out in the Council Directive 73/23/EEC for electrical equipment used within certain voltage limits and the Amendment Directive 93/68/EEC. For the evaluation of the compliance with these Directives, the following standards were applied:

EN 50178

The following manufacturer/importer is responsible for this declaration:

Delta Electronics, Inc.

(Company Name)



**DELTA ELECTRONICS, INC.**

## EC Declaration of Conformity

according to the Electromagnetic Compatibility 89/336/EEC and the

Amendment Directive 93/68/EEC

For the following equipment:

AC Motor Drive

(Product Name)

VFD004M23A, VFD007M23A,

VFD015M23A, VFD004M21B, VFD007M21B, VFD007M43B, VFD015M21B,

VFD015M43B, VFD022M23B, VFD022M43B

(Model Designation)

is herewith confirmed to comply with the requirements set out in the Council Directive 89/336/EEC for electromagnetic compatibility and the Amendment Directive 93/68/EEC. For the evaluation of the compliance with these Directives, the following standards were applied:

EN61800-3, EN50081-2, EN50082-2, EN55011, EN61000-4-2, EN61000-4-3,

EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8,

The following manufacturer/importer is responsible for this declaration:

Delta Electronics, Inc.

(Company Name)