

○Typical product tabulates/典型性能

特点: 定电压输入, 隔离非稳压单输出 Characteristics: Fixed input, Unregulated Single output

隔离电压 Isolation Voltage : 1500Vdc

效率高达 Efficiency up to : 76%

工作环境温度 Temperature range: -40°C-85°C

MTBF ≥ 350万小时 (35 × 10⁵ Hrs)

符合RoHS指令 Comply with the RoHS directive)

线性调节率(输入电压变化±1%时) Line regulation (when input change ±1%): ±1.2%

负载调节率(10%-100%满载) Load regulation (10%-100% full load): 15%

纹波/噪声 (20MHz带宽) Typ Ripple and noise (20MHz band width): 100mVp-Typ

小型SIP和DIP封装 Small SIP&DIP package

无需外加元件 No external component required

短路保护, 自恢复(定制) Short Circuit Protection, Automatic recovery (Customized products)

塑料外壳, 满足UL94-V0要求 Plastic case, up to standard of UL94-V0

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

ZKE系列
(陶瓷PCB制作)



○Typical product tabulates/典型产品列表

产品型号 Type	输入电压 (Vdc) Input voltage range		输入电流 (mA) (typ)		输出电压 (Vdc)	输出电流 (mA) Output current		输出功率 (w)	纹波噪声 (Typ) (mvp-p)	最大容性负载 (uF)	满载效率 (% , typ)
	标称值 Nominal value	范围值 Rang value	满载 Full load	空载 No-load	Output voltage	Min	Max	Output power	Ripple noise	Max capacitive load	Full load efficiency
ZKE0303S/D	3.3	3.3-3.6	435	45	3.3	31	303	1W	50~75	220	70
ZKE0505S/D	5	4.5-5.5	261	30	5	20	200		50~75	220	74
ZKE0509S/D			261		9	12	111		100	78	
ZKE0512S/D			260		12	9	83		100	79	
ZKE1205S/D	12	10.8-13.2	108	16	5	20	200		50~75	220	74
ZKE1212S/D			108		12	9	83		100	82	
ZKE1215S/D			107		15	7	67		100	80	
ZKE1505S/D	15	13.5-16.5	86	13	5	20	200		50~75	220	78
ZKE1509S/D			85		9	12	111		100	79	
ZKE1515S/D			82		15	7	67		100	82	

因篇幅有限, 以上只是部分产品列表, 若需列表以外产品, 请与本公司销售部联系

Due to space limitations, the above list is only for some products, if demand for others not included in the tabulates, please contact the Company's sales department

○Mechanical Data/封装尺寸

DIP Pin No	1	4	5	7
定义 Function	-Vin	+Vin	+Vo	-Vo
尺寸 Size	11.50 × 9.80 × 6.80 mm			

SIP Pin No	1	2	3	4
定义 Function	-Vin	+Vin	-Vo	+Vo
尺寸 Size	11.48 × 6.00 × 10.00 mm			

Note注: 尺寸单位Unit:mm [inoh]; 端子截面公差Pin section tolerances: ±0.10 [±0.004]; 未标注之公差General tolerances: ±0.25 [±0.010]; 栅格距离Grid: 2.54*2.54mm

○Output load requirements/输出负载要求

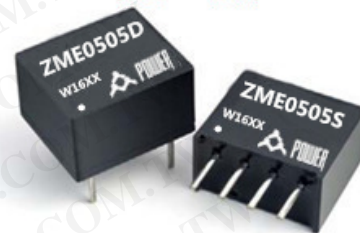
为了确保该模块能够高效可靠的工作, 使用时, 其输出最小负载不能小于额定负载的10%。若您所需功率确实较小, 请在输出端并联一个电阻(电阻消耗功率与实际使用功率之和大于等于10%的额定功率)

In order to ensure the converter can work reliably with high efficiency, the minimum load should not less than 10% rated load when it is used. If the needed power is indeed small, please parallel a resistor on the output side (The sum of the efficient power and resistor consumption power is not less than 10%)

○Typical product tabulates/典型性能

特点: 定电压输入, 隔离非稳压单输出 Characteristics: Fixed input, Unregulated Single output
 隔离电压 Isolation Voltage : 1500Vdc
 效率高达 Efficiency up to : 82%
 工作环境温度 Temperature range: -40°C-85°C
 MTBF ≥ 350万小时 (35 × 10⁵ Hrs)
 符合RoHS指令 Comply with the RoHS directive)
 线性调节率(输入电压变化±1%时) Line regulation(when input change ±1%): ±1.2%
 负载调节率(10%-100%满载) Load regulation(10%-100% full load): 15%
 纹波/噪声 (20MHz带宽) Typ Ripple and noise(20MHz band width): 100mVp-Typ
 小型SIP和DIP封装 Small SIP&DIP package
 无需外加元件 No external component required
 短路保护, 自恢复(定制) Short Circuit Protection, Automatic recovery(Customized products)
 塑料外壳, 满足UL94-V0要求 Plastic case, up to standard of UL94-V0

ZME系列
(陶瓷PCB制作)

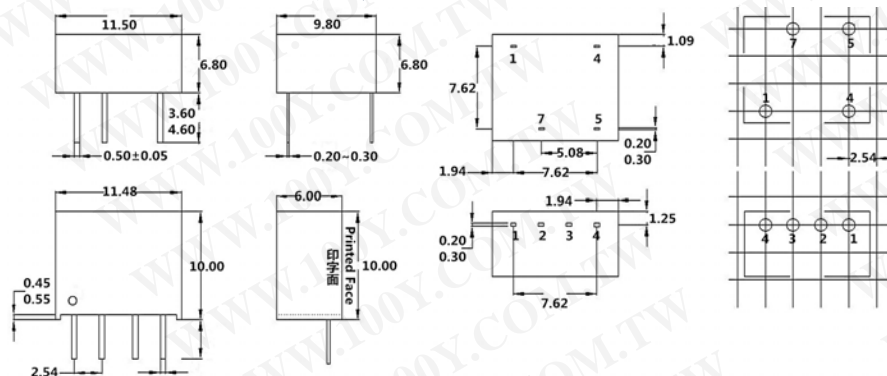


○Typical product tabulates/典型产品列表

产品型号Type	输入电压 (Vdc) Input voltage range		输入电流 (mA) (typ)		输出电压 (Vdc)	输出电流 (mA) Output current		输出功率 (w)	纹波噪声 (Typ) (mvp-p)	最大容性负载 (uF)	满载效率 (% , typ)
	标称值 Nominal value	范围值 Rang value	满载 Full load	空载 No-load	Output voltage	Min	Max	Output power	Ripple noise	Max capacitive load	Full load efficiency
ZME0505S/D	5	4.5-5.5	261	30	5	20	200	1W	50~75	220	77
ZME0509S/D			261		9	12	111			100	78
ZME0512S/D			260		12	9	83			100	79
ZME0515S/D			260		15	7	67			100	81
ZME1205S/D	12	10.8-13.2	108	16	5	20	200		50~75	220	78
ZME1209S/D			108		9	12	111			100	79
ZME1212S/D			108		12	9	83			100	81
ZME1215S/D			107		15	7	67			100	82
ZME1505S/D	15	13.5-16.5	86	13	5	20	200		50~75	220	78
ZME1509S/D			85		9	12	111			100	79
ZME1515S/D			82		15	7	67			100	82
ZME2405S/D	24	21.6-26.4	54	8	5	20	200		50~75	220	79
ZME2409S/D			53		9	12	111	100		80	
ZME2412S/D			52		12	9	83	100		81	
ZME2424S/D			51		24	4	42	47		82	

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○Mechanical Data/封装尺寸



DIP Pin No	1	4	5	7
定义 Function	-Vin 输入负极	+Vin 输入正极	+Vo 输出正极	-Vo 输出负极
尺寸 Size	11.50 × 9.80 × 6.80 mm			

SIP Pin No	1	2	3	4
定义 Function	-Vin 输入负极	+Vin 输入正极	-Vo 输出负极	+Vo 输出正极
尺寸 Size	11.48 × 6.00 × 10.00 mm			

Note注: 尺寸单位Unit:mm[inch]; 端子截面公差Pin section tolerances: ±0.10[±0.004]; 未标注之公差General tolerances: ±0.25[±0.010]; 栅格距离Grid: 2.54*2.54mm

○Output load requirements/输出负载要求

为了确保该模块能够高效可靠的工作, 使用时, 其输出最小负载不能小于额定负载的10%。若您所需功率确实较小, 请在输出端并联一个电阻(电阻 消耗功率与实际使用功率之和大于等于10%的额定功率)

In order to ensure the converter can work reliably with high efficiency, the minimum load should not less than 10% rated load when it is used. If the needed power is indeed small, please parallel a resistor on the output side (The sum of the efficient power and resistor consumption power is not less than 10%)

Typical product tabulates/典型性能

特点: 定电压输入, 隔离非稳压双输出 Characteristics: Fixed input, Unregulated Dual output
 隔离电压 Isolation Voltage : 1500Vdc
 效率高达 Efficiency up to : 82%
 工作环境温度 Temperature range: -40°C-85°C
 MTBF ≥ 350万小时 (35 × 10⁵ Hrs)
 符合RoHS指令 Comply with the RoHS directive)
 线性调节率(输入电压变化±1%时) Line regulation (when input change ±1%): ±1.2%
 负载调节率(10%-100%满载) Load regulation (10%-100% full load): 15%
 纹波/噪声 (20MHz带宽) Typ Ripple and noise (20MHz band width): 50mVp-Typ
 小型SIP和DIP封装 Small SIP&DIP package
 无需外加元件 No external component required
 短路保护, 自恢复(定制) Short Circuit Protection, Automatic recovery (Customized products)
 塑料外壳, 满足UL94-V0要求 Plastic case, up to standard of UL94-V0

ZM2H系列
(陶瓷PCB制作)



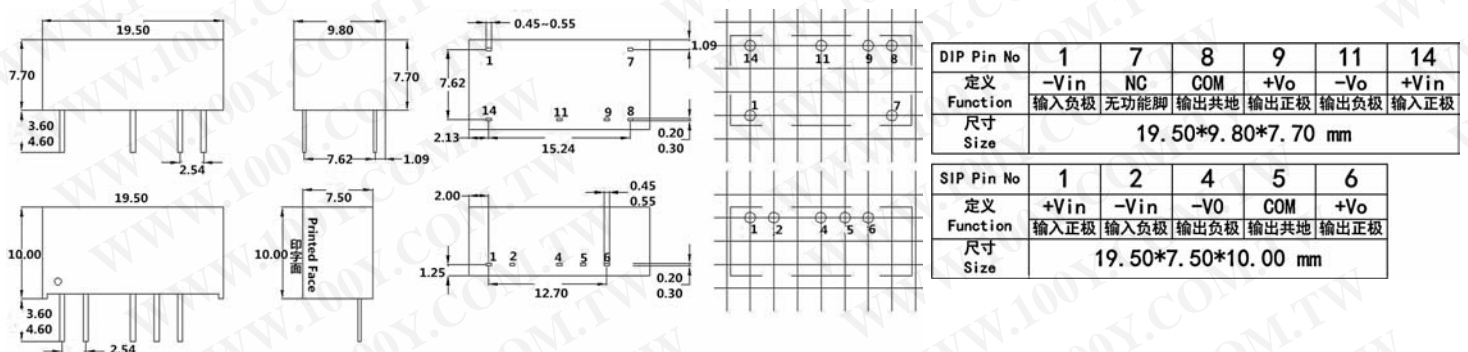
Typical product tabulates/典型产品列表

产品型号 Type	输入电压 (Vdc) Input voltage range		输入电流 (mA) (typ)		输出电压 (Vdc)	输出电流 (mA) Output voltage		输出功率 (w)	纹波噪声 (Typ) (mvp-p)	最大容性负载 (uF)	满载效率 (%, typ)
	标称值 Nominal value	范围值 Rang value	满载 Full load	空载 No-load	Output voltage	Min	Max	Output power	Ripple noise	Max capacitive load	Full load efficiency
ZM2H0505S/D	5	4.5-5.5	519	50	±5	±20	±200	2W	50	100	77
ZM2H0512S/D			513		±12	±9	±83			47	78
ZM2H0515S/D			506		±15	±7	±67			47	79
ZM2H0524S/D			506		±24	±4	±42			22	80
ZM2H1205S/D	12	10.8-13.2	214	18	±5	±20	±200		50	100	78
ZM2H1212S/D			211		±12	±9	±83			47	80
ZM2H1224S/D			±24		±4	±42	22			81	
ZM2H1505S/D	15	13.5-16.5	171	15	±5	±20	±200		50	100	78
ZM2H1512S/D			167		±12	±9	±83			47	80
ZM2H1515S/D			163		±15	±7	±67			47	82
ZM2H2405S/D	24	21.6-26.4	108	10	±5	±20	±200		50	100	79
ZM2H2412S/D			105		±12	±9	±83			47	81
ZM2H2415S/D			105		±15	±7	±67	47		82	
ZM2H2424S/D			±24		±4	±42	22	82			

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Mechanical Data/封装尺寸



Note: 尺寸单位Unit:mm[inch]; 端子截面公差Pin section tolerances: ±0.10[±0.004]; 未标注之公差General tolerances: ±0.25[±0.010]; 栅格距离Grid: 2.54*2.54mm

Output load requirements/输出负载要求

为了确保该模块能够高效可靠的工作, 使用时, 其输出最小负载不能小于额定负载的10%。若您所需功率确实较小, 请在输出端并联一个电阻(电阻消耗功率与实际使用功率之和大于等于10%的额定功率)

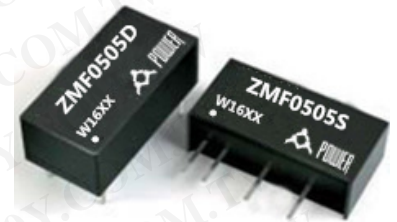
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Typical product tabulates/典型性能

- 特点: 定电压输入, 隔离稳压单输出 Characteristics: Fixed input, isolation, regulated Single output
- 隔离电压 Isolation Voltage : 1500Vdc
- 效率高达 Efficiency up to : 73%
- 工作环境温度 Temperature range: -40°C-85°C
- MTBF ≥ 350万小时 (35 × 10⁵ Hrs)
- 符合RoHS指令 Comply with the RoHS directive)
- 线性调节率 Line regulation: ±0.25%
- 负载调节率(10%-100%满载) Load regulation(10%-100% full load): ±1%
- 纹波/噪声(20MHz带宽) Typ Ripple and noise(20MHz band width): 100mVp-Typ
- 小型SIP和DIP封装 Small SIP&DIP package
- 无需外加元件 No external component required
- 短路保护, 自恢复(定制) Short Circuit Protection, Automatic recovery(Customized products)
- 塑料外壳, 满足UL94-V0要求 Plastic case, up to standard of UL94-V0

ZMF系列
(陶瓷PCB制作)

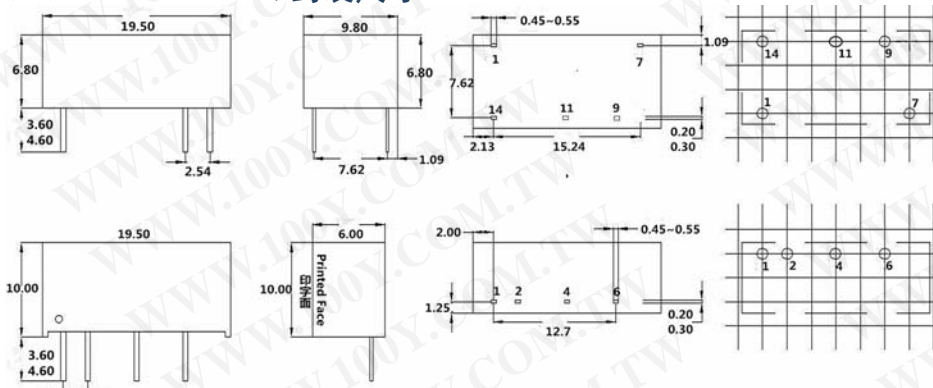


Typical product tabulates/典型产品列表

产品型号Type	输入电压 (Vdc) Input voltage range		输入电流 (mA) (typ)		输出电压 (Vdc)	输出电流 (mA) Output current		输出功率 (w)	纹波噪声 (Typ) (mvp-p)	最大容性负载 (uF)	满载效率 (% , typ)
	标称值 Nominal value	范围值 Rang value	满载 Full load	空载 No-load	Output voltage	Min	Max	Output power	Ripple noise	Max capacitive load	Full load efficiency
ZMF0505S/D	5	4.75-5.25	308	30	5	20	200	1W	40	220	65
ZMF0512S/D			323		12	9	83			100	62
ZMF0515S/D			323		15	7	67			100	62
ZMF0524S/D			323		24	4	42			47	62
ZMF1205S/D	12	11.4-12.6	129	16	5	20	200		50	220	65
ZMF1212S/D			135		12	9	83			100	62
ZMF1215S/D			135		15	7	67			100	62
ZMF1224S/D			135		24	4	42			47	62
ZMF1505S/D	15	14.25-15.75	101	13	5	20	200		60	220	66
ZMF1515S/D			106		15	7	67			100	63
ZMF2405S/D	24	22.8-25.2	64	8	5	20	200		75	220	66
ZMF2412S/D			68		12	9	83			100	62
ZMF2424S/D			67		24	4	42	47		63	

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Mechanical Data/封装尺寸



DIP Pin No	1	2	9	11	14
定义 Function	-Vin	NC	+Vo	-Vo	+Vin
尺寸 Size	输入负极 无功能脚 输出正极 输出负极 输入正极				
尺寸 Size	19.50*9.80*6.80 mm				

SIP Pin No	1	2	4	5	6
定义 Function	+Vin	-Vin	-Vo	No Pin	+Vo
尺寸 Size	输入正极 输入负极 输出负极 输出正极				
尺寸 Size	19.50*6.00*10.00 mm				

Note注: 尺寸单位Unit:mm[inch]; 端子截面公差Pin section tolerances: ±0.10[±0.004]; 未标注之公差General tolerances: ±0.25[±0.010]; 栅格距离Grid: 2.54*2.54mm

Output load requirements/输出负载要求

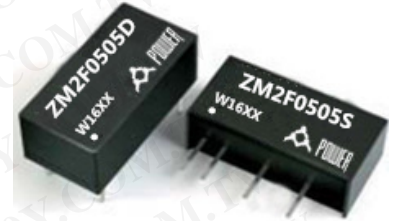
为了确保该模块能够高效可靠的工作, 使用时, 其输出最小负载不能小于额定负载的10%。若您所需功率确实较小, 请在输出端并联一个电阻(电阻 消耗功率与实际使用功率之和大于等于10%的额定功率)

In order to ensure the converter can work reliably with high efficiency, the minimum load should not less than 10% rated load when it is used. If the needed power is indeed small, please parallel a resistor on t the output side (The sum of the efficient power and resistor consumption power is not less than 10%)

○Typical product tabulates/典型性能

特点: 定电压输入, 隔离稳压单输出 Characteristics: Fixed input, isolation, regulated Single output
 隔离电压 Isolation Voltage : 1500Vdc
 效率高达 Efficiency up to : 70%
 工作环境温度 Temperature range: -40°C-85°C
 MTBF ≥ 350万小时 (35 × 10⁵ Hrs)
 符合RoHS指令 Comply with the RoHS directive)
 线性调节率 Line regulation: ±0.5%
 负载调节率(10%-100%满载) Load regulation(10%-100% full load): ±2%
 纹波/噪声(20MHz带宽) Typ Ripple and noise(20MHz band width): 150mVp-Typ
 小型SIP和DIP封装 Small SIP&DIP package
 无需外加元件 No external component required
 短路保护, 自恢复(定制) Short Circuit Protection, Automatic recovery(Customized products)
 塑料外壳, 满足UL94-V0要求 Plastic case, up to standard of UL94-V0

ZM2F系列
(陶瓷PCB制作)

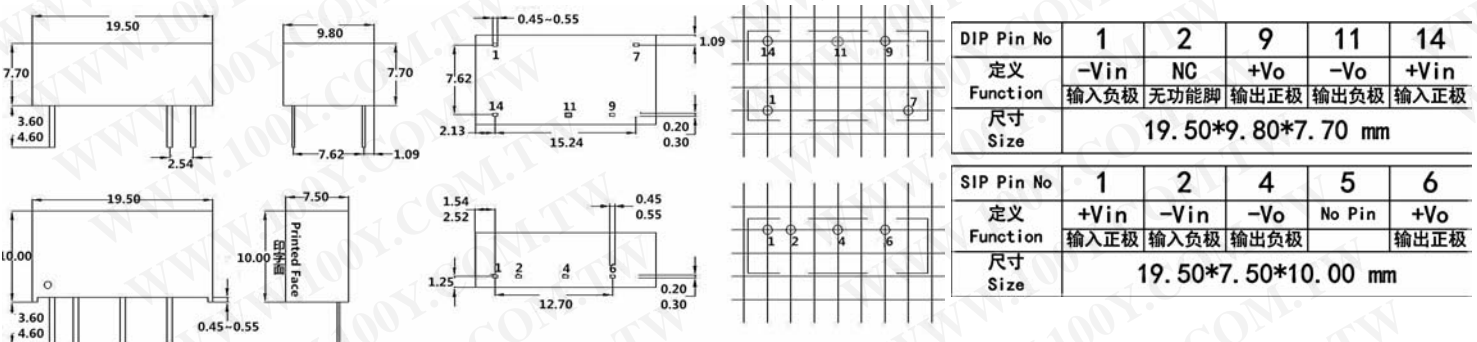


○Typical product tabulates/典型产品列表

产品型号Type	输入电压 (Vdc) Input voltage range		输入电流 (mA) (typ)		输出电压 (Vdc)	输出电流 (mA) Output current		输出功率 (w)	纹波噪声 (Typ) (mvp-p)	最大容性负载 (uF)	满载效率 (% , typ)
	标称值 Nominal value	范围值 Rang value	满载 Full load	空载 No-load	Output voltage	Min	Max	Output power	Ripple noise	Max capacitive load	Full load efficiency
ZM2F0505S/D	5	4.75-5.25	616	50	5	40	400	2W	50	220	65
ZM2F0512S/D			645		12	18	166			100	62
ZM2F0515S/D			645		15	14	134			100	62
ZM2F0524S/D			645		24	8	84			47	62
ZM2F1205S/D	12	11.4-12.6	252	18	5	40	400		50	220	66
ZM2F1212S/D			265		12	18	166			100	63
ZM2F1215S/D			265		15	14	134			100	63
ZM2F1224S/D			265		24	8	84			47	63
ZM2F1505S/D	15	14.25-15.75	202	15	5	40	400		50	220	66
ZM2F1515S/D			209		15	14	134			100	64
ZM2F2405S/D	24	22.8-25.2	127	10	5	40	400		50	220	66
ZM2F2412S/D			131		12	18	166			100	64
ZM2F2424S/D			131		24	8	84	47		64	

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○Mechanical Data/封装尺寸



Note注: 尺寸单位Unit:mm[inch]; 端子截面公差Pin section tolerances: ±0.10[±0.004]; 未标注之公差General tolerances: ±0.25[±0.010]; 栅格距离Grid: 2.54*2.54mm

○Output load requirements/输出负载要求

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In order to ensure the converter can work reliably with high efficiency, the minimum load should not less than 10% rated load when it is used. If the needed power is indeed small, please parallel a resistor on the output side (The sum of the efficient power and resistor consumption power is not less than 10%)