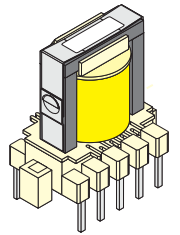
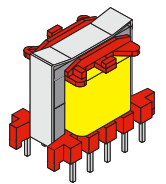
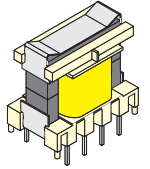
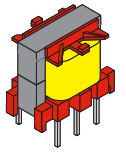


Flyback



Transformers

Switching Power Supply Modules
1W - 3W - 5W - 10W as Standard

E16

E19

E25

EF20

ERL28

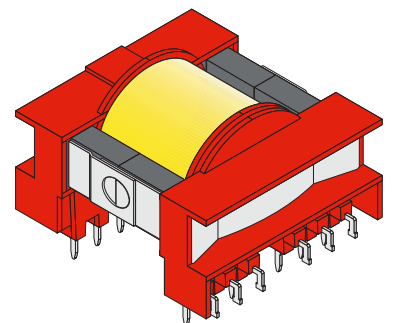
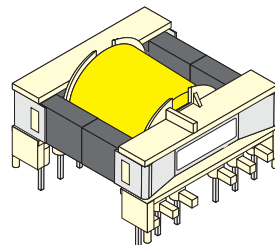
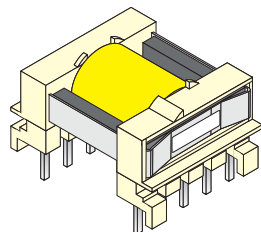
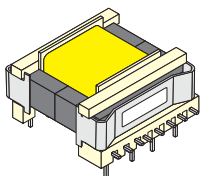
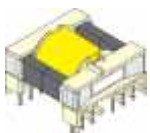
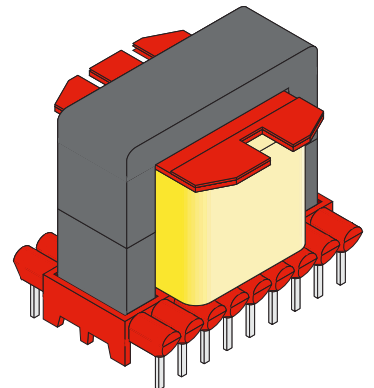
ETD29

ETD34

ETD39

ETD44

for
switching
power
supply





Switching mode power supply



Ferrite transformer



Current transformer



Chokes



Dimmer chokes for EMI suppression

SIZE E16

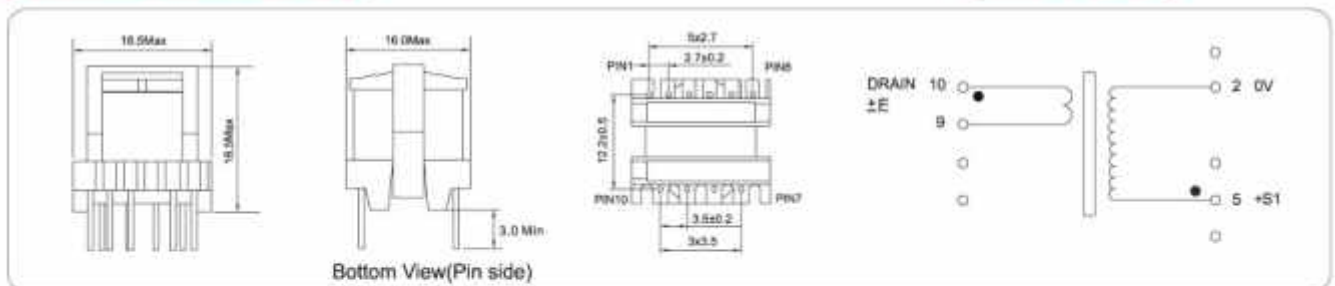
SINGLE OUTPUT:5 or 12v

 PIN 3 Removed
 PCB Hole Diameter = 1.1mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E16100	1.5w	Pri	10-9	85-265Vrms	0.28Apeak	6000 μ H	< 85 $^{\circ}$ C	44KHZ
		S1	5-2	3.3-6Vdc	0.4Adc			
XZM-E16101	1.5w	Pri	10-9	85-265Vrms	0.28Apeak	6000 μ H	< 85 $^{\circ}$ C	44KHZ
		S1	5-2	7.5-15Vdc	0.2Adc			
XZM-E16102	3.1w	Pri	10-9	85-265Vrms	0.34Apeak	4200 μ H	< 70 $^{\circ}$ C	44KHZ
		S1	5-2	3.3-6Vdc	0.9Adc			
XZM-E16103	3.1w	Pri	10-9	85-265Vrms	0.34Apeak	4200 μ H	< 70 $^{\circ}$ C	44KHZ
		S1	5-2	7.5-15Vdc	0.4Adc			
XZM-E16104	9w	Pri	10-9	85-265Vrms	0.48Apeak	2100 μ H	< 60 $^{\circ}$ C	132KHZ
		S1	5-2	3.3-6Vdc	1.5Adc			
XZM-E16105	9w	Pri	10-9	85-265Vrms	0.48Apeak	2100 μ H	< 60 $^{\circ}$ C	132KHZ
		S1	5-2	7.5-15Vdc	0.9Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PIN 3 Removed PCB Hole Diameter = 1.1mm

SIZE E16

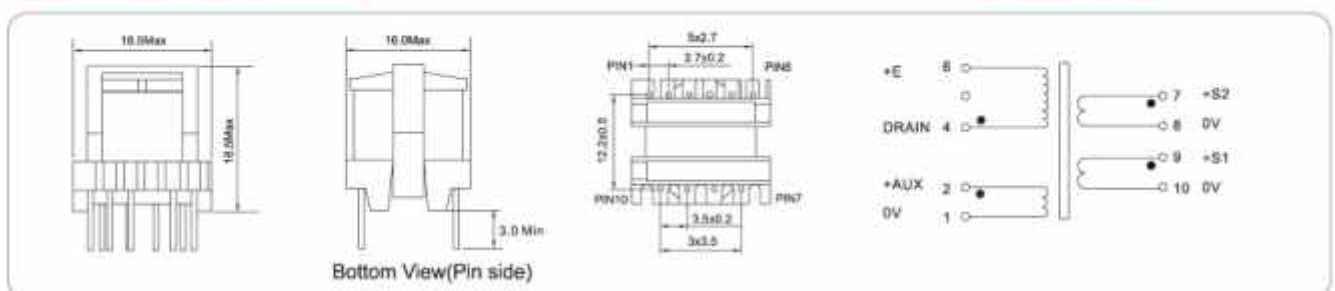
SINGLE OUTPUT:5/12v

 PIN 3 Removed
 PCB Hole Diameter = 1.1mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E16106	5w	Pri	4-6	85-265Vrms	0.27Apeak	3900 μ H	< 70 $^{\circ}$ C	132KHZ
		AUX	2-1	7-14Vdc	0.1Adc			
		S1	9-10	3.3-7Vdc	1.2Adc			
		S2	7-8	8-17Vdc	0.4Adc			
XZM-E16107	12w	Pri	4-6	185-265Vrms	0.55Apeak	1660 μ H	< 50 $^{\circ}$ C	132KHZ
		AUX	2-1	7-14Vdc	0.1Adc			
		S1	9-10	3.3-7Vdc	2.0Adc			
		S2	7-8	8-17Vdc	1Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PIN 3 Removed PCB Hole Diameter = 1.1mm

SIZE E16

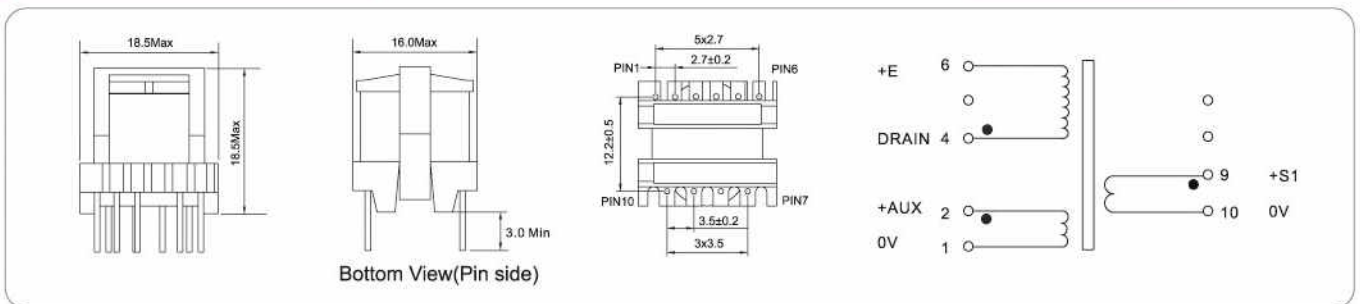
SINGLE OUTPUT:5 or 12v

PIN 3 Removed
PCB Hole Diameter = 1.1mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E16108	6W	Pri	4-6	85-265Vrms	0.35Apeak	3000μH	< 60℃	132KHZ
		Aux	2-1	8-16Vdc	0.1Adc			
		S1	9-10	3-6Vdc	1.2Adc			
XZM-E16109	6W	Pri	4-6	85-265Vrms	0.38Apeak	3000μH	< 60℃	132KHZ
		Aux	2-1	8.5-17Vdc	0.1Adc			
		S1	9-10	9-18Vdc	0.5Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PIN 3 Removed PCB Hole Diameter = 1.1mm

SIZE E16

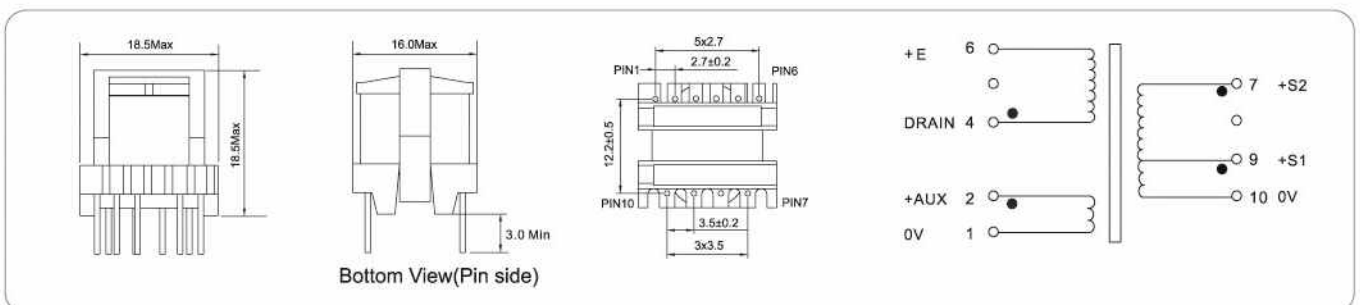
DUAL OUTPUT:3.3+5V

PIN 3 Removed
PCB Hole Diameter = 1.1mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E16110	6W	Pri	4-6	85-265Vrms	0.35Apeak	3000μH	< 60℃	132KHZ
		Aux	2-1	8-16Vdc	0.1Adc			
		S1	9-10	2-4Vdc	1.8Adc			
		S2	7-10	3-6(VOR)	1.2Adc			

OUTLINE DIMENSIONS

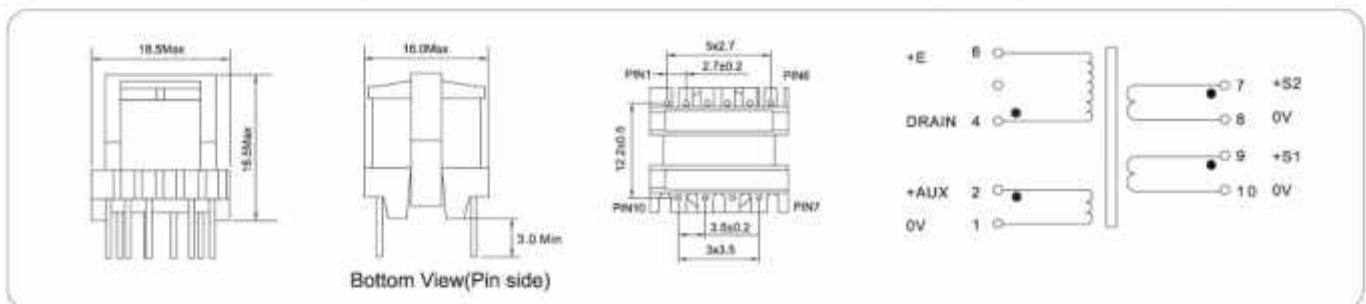
SCHEMATIC



PIN 3 Removed PCB Hole Diameter = 1.1mm

SIZE E16 2 OUTPUT:2x24VPIN 3 Removed
PCB Hole Diameter = 1.1mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E16111	12W	Pri	4-6	185-265Vrms	0.5Apeak	1800 μ H	< 50°C	132KHZ
		Aux	2-1	9-18Vdc	0.2A dc			
		S1	9-10	15-30Vdc	0.4A dc			
		S2	7-8	15-30Vdc	0.4A dc			

OUTLINE DIMENSIONS**SCHEMATIC**

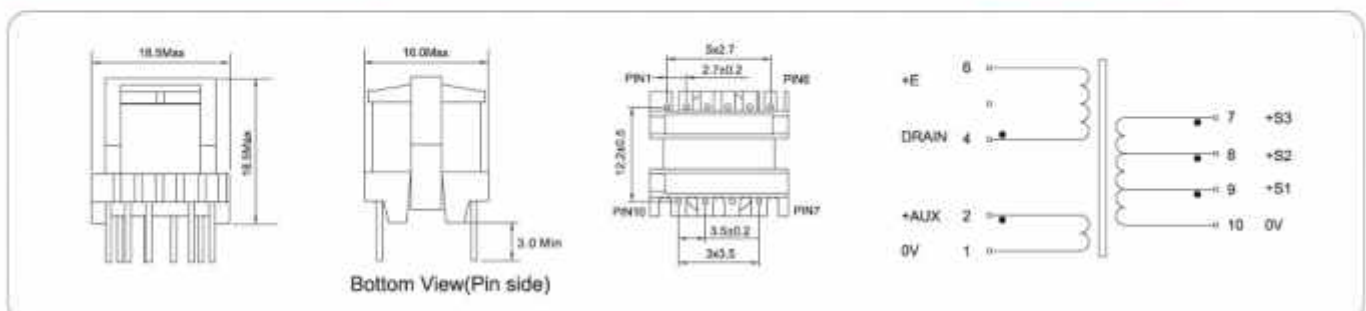
PIN 3 Removed PCB Hole Diameter = 1.1mm

Typical outputs:

- +24V 0.5A with S1-S2 in parallel
- +48V 0.25A with S1-S2 in series(8-9connected)
- +15V/-15V 0.4A with pins 8-9 connected to 0V

SIZE E16 3 OUTPUT:5/15/24VPIN 3 Removed
PCB Hole Diameter = 1.1mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E16112	12W	Pri	4-6	185-265Vrms	0.5Apeak	1800 μ H	< 50°C	132KHZ
		Aux	2-1	12Vdc	0.2A dc			
		S1	9-10	5Vdc	1.5A dc			
		S2	8-10	15Vdc	0.6A dc			
		S3	7-10	24Vdc	0.4A dc			

OUTLINE DIMENSIONS**SCHEMATIC**

PIN 3 Removed PCB Hole Diameter = 1.1mm

SIZE E19

2 OUTPUT:5/12V

PCB Hole Diameter = 1.1mm

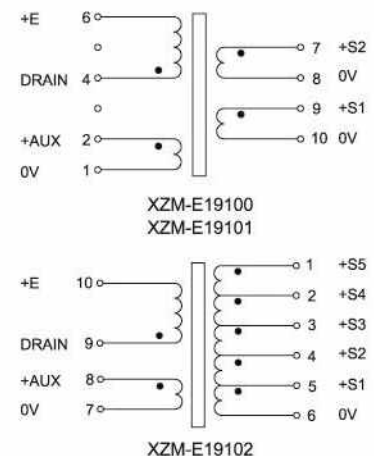
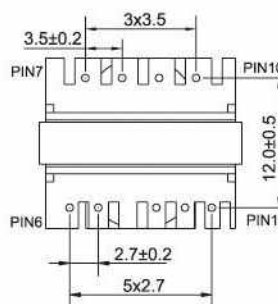
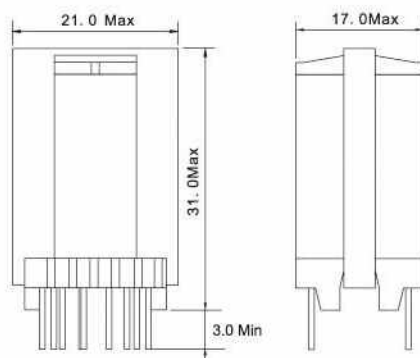
Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E19100	18w	Pri	4-6	85-265Vrms	0.8Apeak	1250 μ H	< 50°C	132KHZ
		Aux	2-1	7-12Vdc	0.1Adc			
		S1	9-10	3.3-7Vdc	3Adc			
		S2	7-8	8-16.5Vdc	1.4Adc			
XZM-E19101	18w	Pri	4-6	85-265Vrms	1.1Apeak	900 μ H	< 50°C	100KHZ
		Aux	2-1	7-12Vdc	0.1Adc			
		S1	9-10	3.3-7Vdc	3Adc			
		S2	7-8	8-16.5Vdc	1.4Adc			

5 OUTPUT:3.3/5/12/18/30V

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E19102	16w	Pri	9-10	85-265Vrms	0.85Apeak	1250 μ H	<60°C	132KHZ
		Aux	8-7	15Vdc	0.2Adc			
		S1	5-6	3.3Vdc	2Adc			
		S2	4-6	5Vdc	Sum S1+S2			
		S3	3-6	12Vdc	0.8Adc			
		S4	2-6	18Vdc	0.8Adc			
		S5	1-6	30Vdc	0.2Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PCB Hole Diameter = 1.1mm

SIZE EF20

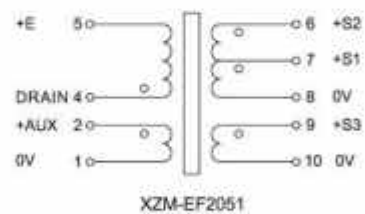
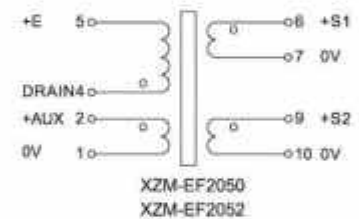
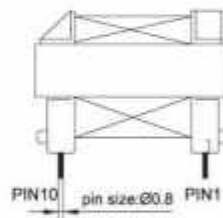
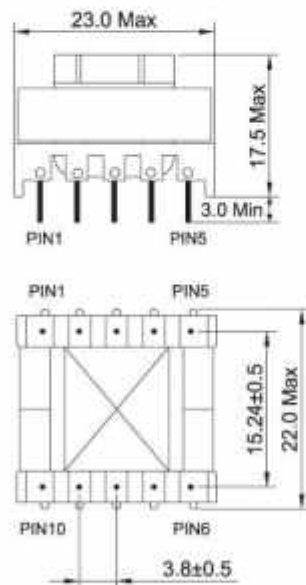
2 or 3 OUTPUTS: 5/5v or 12/12v or 3.3+5/12v

PIN 3 Removed
PCB Hole Diameter=1.2mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-EF2050	24w	Pri	4-5	185-265Vrms	1.0Apeak	1000μH	< 50℃	132KHZ
		Aux	2-1	11-18Vdc	0.3Adc			
		S1	6-7	9-15Vdc	1.5Adc			
		S2	9-10	9-15Vdc	1.5Adc			
XZM-EF2051	20w	Pri	4-5	185-265Vrms	0.9Apeak	1100μH	< 50℃	132KHZ
		Aux	2-1	15Vdc	0.3Adc			
		S1	7-8	3.3Vdc	3Adc			
		S2	6-8	5Vdc	SumS1+S2			
		S3	9-10	12Vdc	1.3Adc			
XZM-EF2052	20w	Pri	4-5	185-265Vrms	0.85Apeak	1300μH	< 50℃	132KHZ
		Aux	2-1	7-18Vdc	0.3Adc			
		S1	6-7	3-7.5Vdc	2.0Adc			
		S2	9-10	3-7.5Vdc	2.0Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PCB Hole Diameter=1.2mm

SIZE E25

3 or 1 OUTPUTS:5+12/12v or 24v

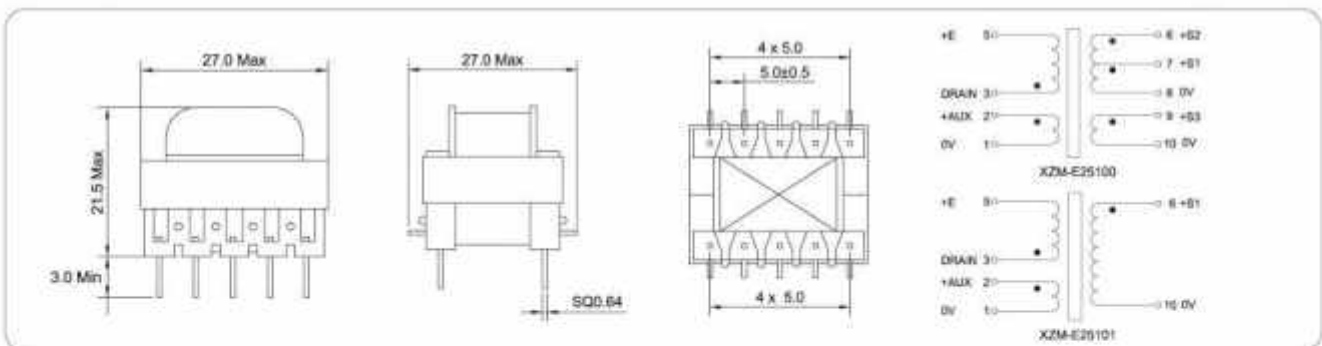
 PIN 4 Removed
 PCB Hole Diameter=1.4mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E25100	30w	Pri	3-5	185-265Vrms	1.5Apeak	750 μ H	< 50 °C	132KHZ
		Aux	2-1	7-14.5Vdc	1Adc			
		S1	7-8	3.3-7Vdc	3Adc			
		S2	6-8	8-16Vdc	1.5Adc			
		S3	9-10	8-16Vdc	1.5Adc			
XZM-E25101	35w	Pri	3-5	185-265Vrms	1.1Apeak	1100 μ H	< 50 °C	132KHZ
		Aux	2-1	8-16Vdc	1Adc			
		S1	6-10	15-30Vdc	1.4Adc			

Note for XZM-E25100: S2 and S3 can be connected in series or in parallel

OUTLINE DIMENSIONS

SCHEMATIC



SIZE ERL28

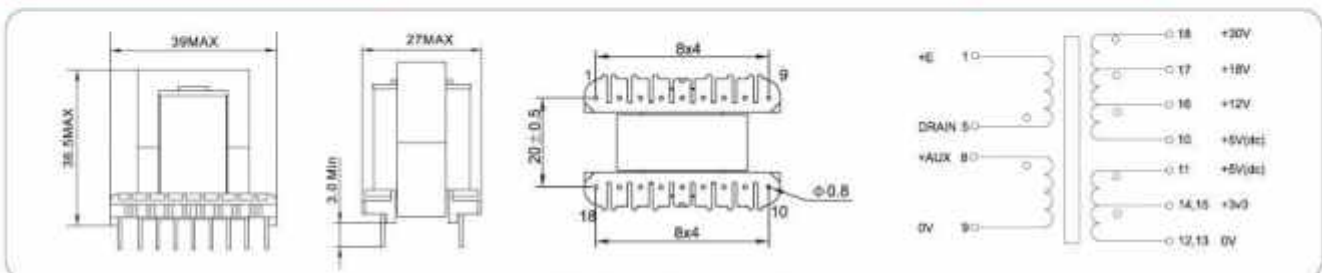
5 OUTPUTS:3.3/5/12/18/30v

PCB Hole Diameter=1.3mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-EC2850	60w	Pri	5-1	185-265Vrms	3.0Apeak	500 μ H	< 50 °C	60 or 132KHZ
		Aux	8-9	15Vdc	0.5Adc			
		S1	14+15/12+13	3.3Vdc	7Adc			
		S2	11/12+13	5Vdc	Sum S1+S2			
		S3	16-10	12Vdc	2Adc			
		S4	17-10	18Vdc	2Adc			
		S5	18-10	30Vdc	0.5Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PCB Hole Diameter=1.3mm

SIZE E25

3 or 1 OUTPUTS:5+12/12v or 24v

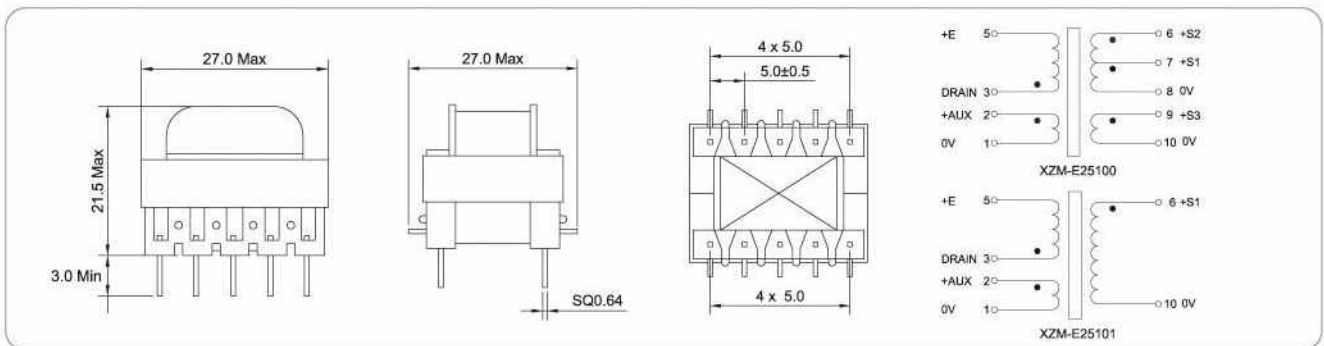
 PIN 4 Removed
 PCB Hole Diameter=1.4mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-E25100	30w	Pri	3-5	185-265Vrms	1.5Apeak	750 μ H	< 50 °C	132KHZ
		Aux	2-1	7-14.5Vdc	1Adc			
		S1	7-8	3.3-7Vdc	3Adc			
		S2	6-8	8-16Vdc	1.5Adc			
		S3	9-10	8-16Vdc	1.5Adc			
XZM-E25101	35w	Pri	3-5	185-265Vrms	1.1Apeak	1100 μ H	< 50 °C	132KHZ
		Aux	2-1	8-16Vdc	1Adc			
		S1	6-10	15-30Vdc	1.4Adc			

Note for XZM-E25100:S2 and S3 can be connected in series or in parallel

OUTLINE DIMENSIONS

SCHEMATIC



SIZE ERL28

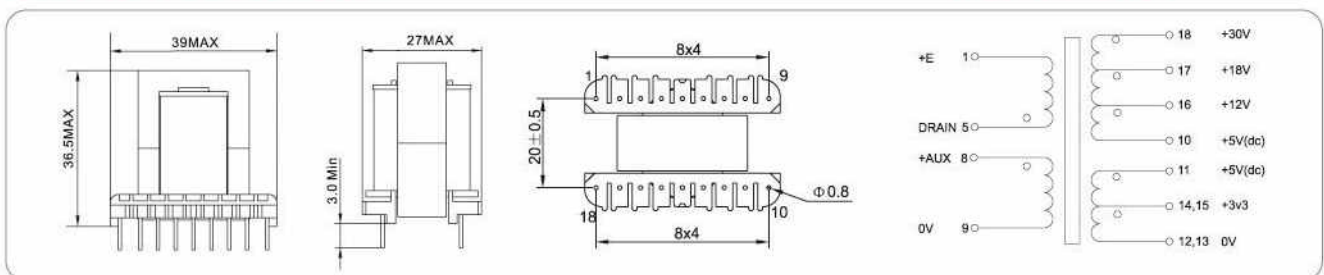
5 OUTPUTS:3.3/5/12/18/30v

PCB Hole Diameter=1.3mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-EC2850	60w	Pri	5-1	185-265Vrms	3.0Apeak	500 μ H	< 50 °C	60 or 132KHZ
		Aux	8-9	15Vdc	0.5Adc			
		S1	14+15/12+13	3.3Vdc	7Adc			
		S2	11/12+13	5Vdc	Sum S1+S2			
		S3	16-10	12Vdc	2Adc			
		S4	17-10	18Vdc	2Adc			
		S5	18-10	30Vdc	0.5Adc			

OUTLINE DIMENSIONS

SCHEMATIC



PCB Hole Diameter=1.3mm

SIZE ETD29

4 OUTPUTS:5+12/5+12v

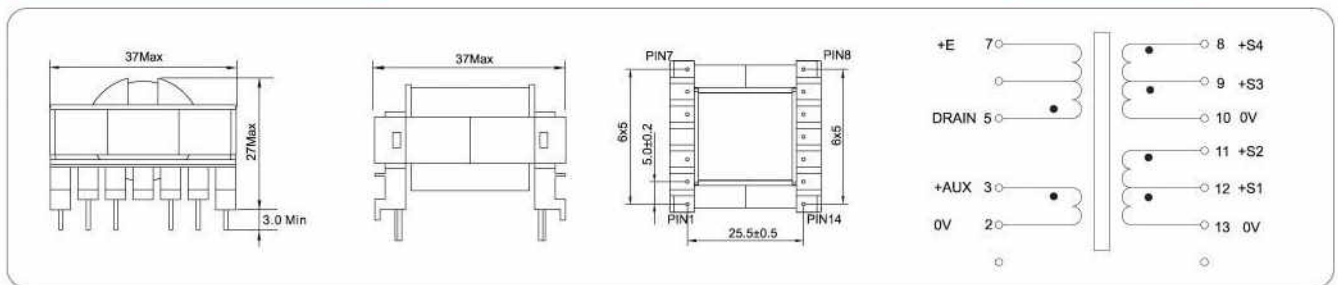
 PIN 4 Removed
 PCB Hole Diameter=1.3mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-ED2950	60w	Pri	5-7	185-265Vrms	3.0Apeak	500μH	< 50 °C	60 or 132KHZ
		Aux	3-2	7-14.5Vdc	0.5Adc			
		S1	12-13	3.3-7Vdc	4Adc			
		S2	11-13	8-16.5Vdc	2.5Adc			
		S3	9-10	3.3-7Vdc	4Adc			
		S4	8-10	8-16.5Vdc	2.5Apeak			

Note:S1/S3 or S2/S4 can be connected in series or in parallel

OUTLINE DIMENSIONS

SCHEMATIC



PIN 4 Removed PCB Hole Diameter=1.3mm

SIZE ETD34

4 OUTPUTS:5+12/5+12v

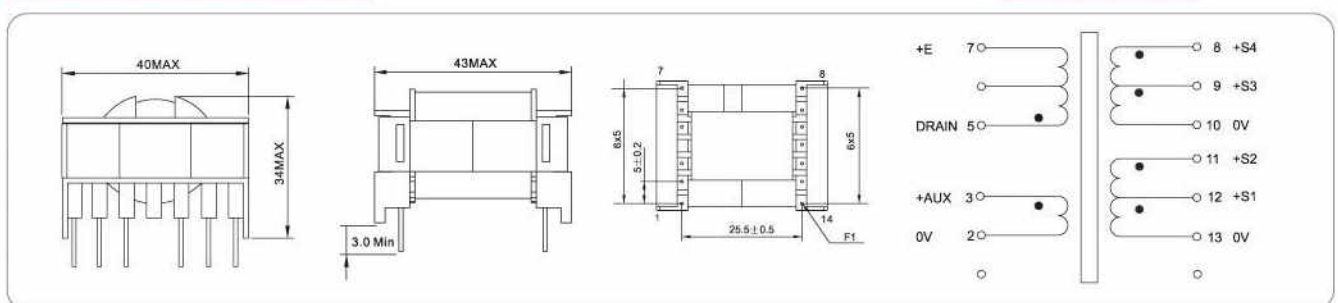
 PIN 4 Removed
 PCB Hole Diameter=1.5mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-ED3450	90w	Pri	5-7	185-265Vrms	2.8Apeak	500μH	< 50 °C	132KHZ
		Aux	3-2	7-14Vdc	0.5Adc			
		S1	12-13	3.3-6.5Vdc	5Adc			
		S2	11-13	8.5-17Vdc	3Adc			
		S3	9-10	3.3-6.5Vdc	5Adc			
		S4	8-10	8.5-17Vdc	3Adc			

Note:S1/S3 or S2/S4 can be connected in series or in parallel

OUTLINE DIMENSIONS

SCHEMATIC



PIN 4 Removed PCB Hole Diameter=1.5mm

SIZE ETD39

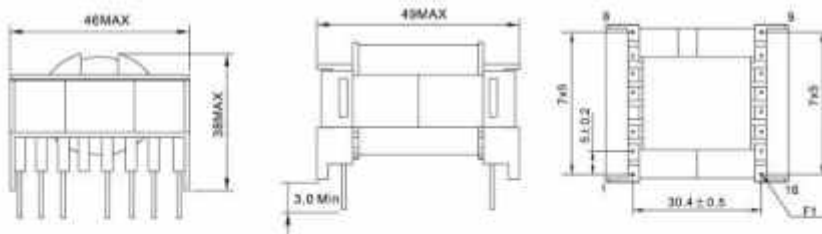
4 OUTPUTS:5+12/5+12v

 PIN 4 Removed
 PCB Hole Diameter=1.5mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-ED3950	140w	Pri	5-7	185-265Vrms	4Apeak	440 μ H	< 50 °C	132KHZ
		Aux	3-2	7-14Vdc	0.5A dc			
		S1	14-15	3.3-6.5Vdc	5A dc			
		S2	13-15	8.5-17Vdc	5A dc			
		S3	11-12	3.3-6.5Vdc	5A dc			
		S4	10-12	8.5-17Vdc	5A dc			

OUTLINE DIMENSIONS

SCHEMATIC



PIN 4 Removed PCB Hole Diameter=1.5mm

SIZE ETD44

4 OUTPUTS:5+12/5+12v

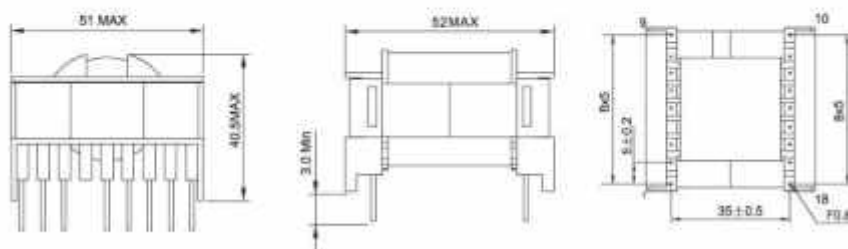
 PIN 4 Removed
 PCB Hole Diameter=1.5mm

Part NO	Output Power Maximum	Windings					Ambient Temperature	Frequency
			Pins	Voltage	Current Maximum	Inductance (+/-10%)		
XZM-ED4450	180w	Pri	5-7	185-265Vrms	8Apeak	300 μ H	< 50 °C	60 or 132KHZ
		Aux	3-2	7-14Vdc	0.5A dc			
		S1	16-17	3.3-6.5Vdc	6A dc			
		S2	15-17	8.5-17Vdc	5A dc			
		S3	13-14	3.3-6.5Vdc	6A dc			
		S4	12-14	8.5-17Vdc	5A dc			

Note:S1/S3 or S2/S4 can be connected in series or in parallel

OUTLINE DIMENSIONS

SCHEMATIC



PIN 4 Removed PCB Hole Diameter=1.5mm

Flyback transformers for popular standard IC

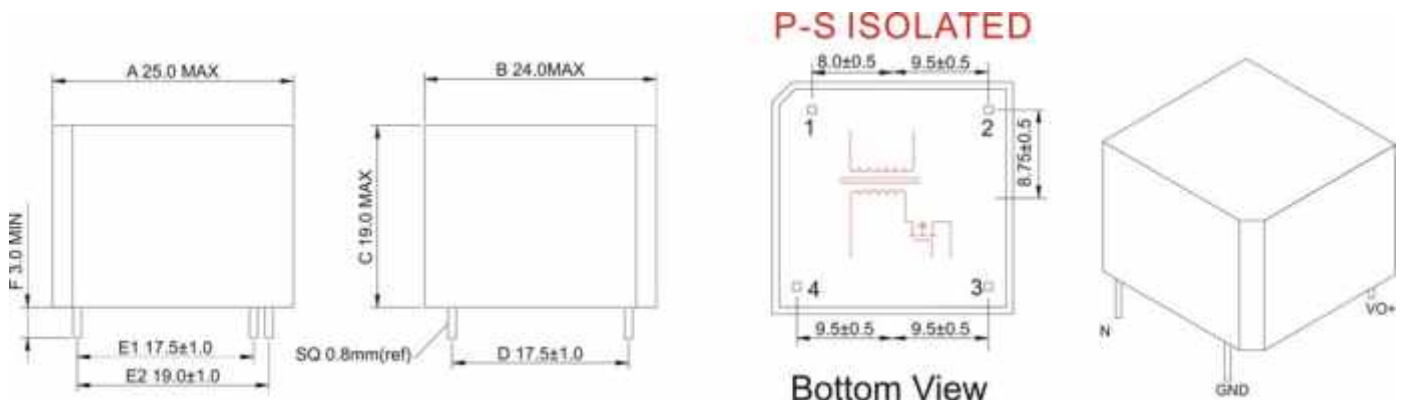
Code P / N.										Flyback transformers for Switching Power Supply									
Case		Power		Voltage 1	Voltage 2	Voltage 3	Voltage 4	Voltage 5	ST Microelectronics	Power Integration				Infineon		ON Semiconductors	Philips	Fairchild	
XZM-E16100	E16	1,5W	5V							TNY253									
XZM-E16101	E16	1,5W	12V							TNY253									
XZM-E16102	E16	3,1W	5V							TNY254									
XZM-E16103	E16	3,1W	12V							TNY254									
XZM-E16104	E16	9W	5V							TNY255	TNY264	TNY366							
XZM-E16105	E16	9W	12V							TNY255	TNY264	TNY266							
XZM-E16106	E16	5W	5V	12V					VIPer20	TOP242P									
XZM-E16107	E16	12W	5V	12V					VIPer20	TNY267	TOP242P		TDA16831		MC33369	KASH0165RN	KA5L0165R		
XZM-E16108	E16	6W	5V						VIPer20	TOP242P			TDA16831		MC33369				
XZM-E16109	E16	6W	12V						VIPer20	TOP242P			TDA16831		MC33369				
XZM-E16110	E16	5w	3,3V	5V					VIPer20	TOP242P			TDA16831		MC33369				
XZM-E16111	E16	12W	24V	24V						TNY266	TOP242P								
XZM-E16112	E16	12W	5V	15V	24V					TNY266	TOP242P								
XZM-E19100	EL19	18W	5V	12V					VIPer20	TNY268	TOP243P		TDA16832		MC33370				
XZM-E19101	EL19	18W	5V	12V					VIPer50	TOP243Y			TDA16831		MC33370				
XZM-E19102	EL19	16W	3,3V	5V	12V	18V	30V			TOP243P									
XZM-EF2050	EF20	24W	12V	12V						TOP243P									
XZM-EF2051	EF20	20W	3,3V	5V	12V					TOP243P									
XZM-EF2052	EF20	24W	12V	12V						TNY268	TOP243P								
XZM-E25100	E25	30W	5V	12V	12V				VIPer50	TOP244P	TOP244Y		TDA16832		MC33371	KA1H0265R			
XZM-E25101	E25	35W	24V							TOP244P									
XZM-EC2801	ERL28	60W	3,3V	5V	12V	18V	30V			TOP246Y									
XZM-ED2951	ETD29	60W	5V	12V	5V	12V			VIPer50	TOP245Y			TDA16834		MC33372				
XZM-ED3450	ETD34	90W	5V	12V	5V	12V			VIPer100A	TOP246Y			TDA16834	TDA16833	MC33373				
XZM-ED3950	ETD39	140W	5V	12V	5V	12V			VIPer100A	TOP247Y			TDA16836		MC33374	KA1H0565R			
XZM-ED4450	ETD44	180W	5V	12V	5V	12V				TOP248Y	TOP249Y		TDA16837			TEA1566	KA2S0965		

1W AC-DC POWER MODULE SINGLE OUTPUT SERIES (P-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 3.3V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size
- UL, TUV Approved

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

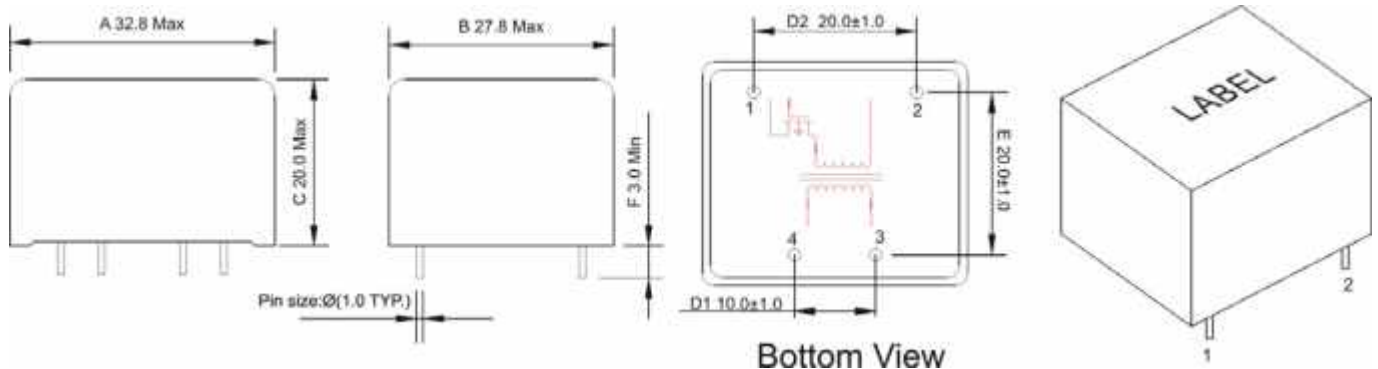
Order Number	Leakage Current (Ma)	No load Loss (W)	Output Voltage (VDC.)	Output Current (Ma)	Voltage Accuracy	Ripple	Noise	Ambient TEMP()	Weight	Certificate		
										TUV	UL	CE
ZP01S0300WE	0.1mA	0.3W	3.3V	300	±7%	< 50mV	<5% Vout	70	20g			
ZP01S0500WE	0.1mA	0.3W	5V	200	±7%	< 50mV	<5% Vout	70	20g			
ZP01S0600WE	0.1mA	0.3W	6V	167	±7%	< 50mV	<5% Vout	70	20g			
ZP01S0700WE	0.1mA	0.3W	7.5V	133	±7%	< 50mV	<5% Vout	70	20g			
ZP01S0800WE	0.1mA	0.3W	8V	125	±7%	< 50mV	<5% Vout	70	20g			
ZP01S0900WE	0.1mA	0.3W	9V	111	±7%	< 50mV	<5% Vout	70	20g			
ZP01S1000WE	0.1mA	0.3W	10V	100	±7%	< 50mV	<5% Vout	70	20g			
ZP01S1200WE	0.1mA	0.3W	12V	85	±7%	< 50mV	<5% Vout	70	20g			
ZP01S1500WE	0.1mA	0.3W	15V	67	±7%	< 50mV	<5% Vout	70	20g			
ZP01S1800WE	0.1mA	0.3W	18V	55	±7%	< 50mV	<5% Vout	70	20g			
ZP01S2400WE	0.1mA	0.3W	24V	42	±7%	< 50mV	<5% Vout	70	20g			

3W AC-DC POWER MODULE SINGLE OUTPUT SERIES (P-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 3.3V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size
- UL, TUV Approved

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

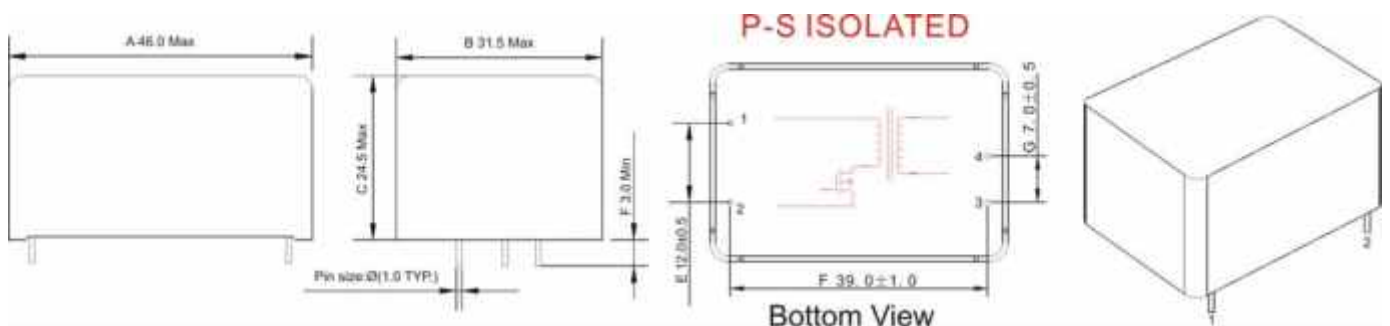
Order Number	Leakage Current (Ma)	No load Loss (W)	Output Voltage (VDC.)	Output Current (Ma)	Voltage Accuracy	Ripple	Noise	Ambient TEMP()	Weight	Certificate		
										TUV	UL	CE
ZP03S0300WA	0.1mA	0.15W	3.3V	900	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S0500WA	0.1mA	0.15W	5V	600	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S0600WA	0.1mA	0.15W	6V	500	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S0700WA	0.1mA	0.15W	7.5V	400	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S0800WA	0.1mA	0.15W	8V	375	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S0900WA	0.1mA	0.15W	9V	333	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S1000WA	0.1mA	0.15W	10V	300	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S1200WA	0.1mA	0.15W	12V	250	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S1500WA	0.1mA	0.15W	15V	200	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S1800WA	0.1mA	0.15W	18V	166	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S2400WA	0.1mA	0.15W	24V	125	±5%	< 50mV	<1% Vout	70	30g		•	
ZP03S1200WB	0.1mA	0.5W	12V	250	±10%	< 50mV	<5% Vout	70	30g		•	
ZP03S1500WB	0.1mA	0.5W	15V	200	±10%	< 50mV	<5% Vout	70	30g		•	
ZP03S1800WB	0.1mA	0.5W	18V	166	±10%	< 50mV	<5% Vout	70	30g		•	
ZP03S2400WB	0.1mA	0.5W	24V	125	±10%	< 50mV	<5% Vout	70	30g		•	

5W AC-DC POWER MODULE HIGH PRECISION SINGLE OUTPUT SERIES (P-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 5V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size
- UL, TUV Approved

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

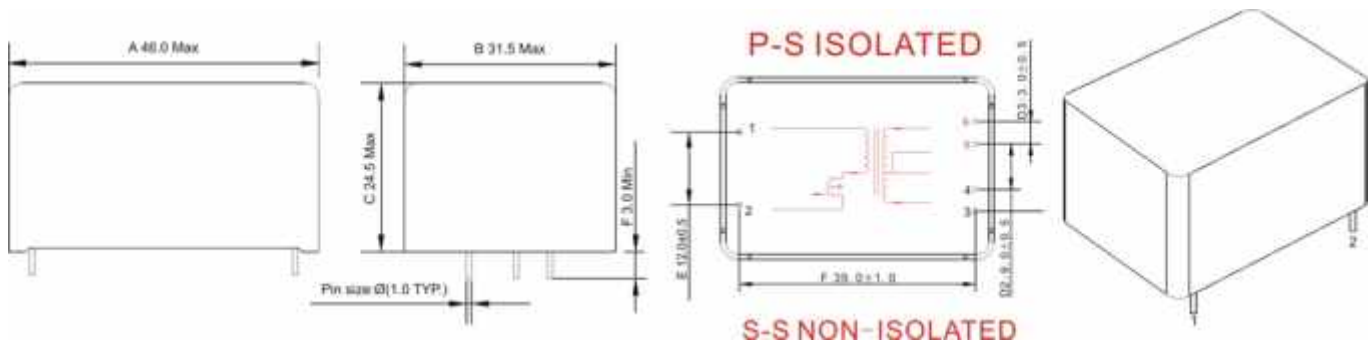
Order Number	Leakage Current (Ma)	No load Loss (W)	Output Voltage (VDC.)	Output Current (Ma)	Voltage Accuracy	Ripple	Noise	Ambient TEMP()	Weight	Certificate		
										TUV	UL	CE
ZP05S0500W	0.3mA	0.3W	5V	1000	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S0600W	0.3mA	0.3W	5V	833	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S0700W	0.3mA	0.3W	5V	714	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S0900W	0.3mA	0.3W	9V	555	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S1000W	0.3mA	0.3W	10V	500	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S1200W	0.3mA	0.3W	12V	417	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S1500W	0.3mA	0.3W	15V	333	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S1800W	0.3mA	0.3W	18V	277	±3%	<50mV	<1% Vout	70	50g	•	•	•
ZP05S2400W	0.3mA	0.3W	24V	208	±3%	<50mV	<1% Vout	70	50g	•	•	•

5W DUAL OUTPUT SERIES AC-DC POWER MODULE (P-S ISOLATED,S-S NON-ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 5V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

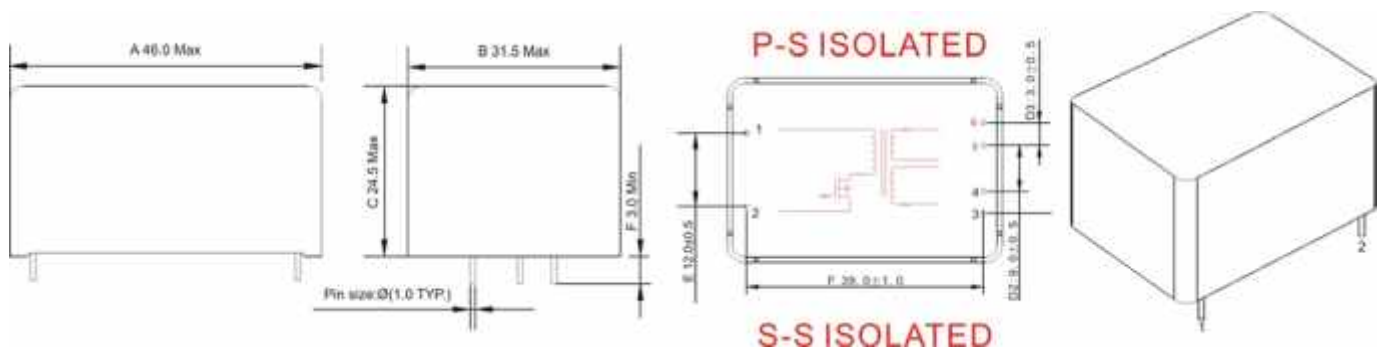
Order Number	Leakage Current (mA)	No load Loss (W)	Output(DC)				Ripple & Noise	Ambient TEMP (?)	Weight	Certificate		
			S1	Accuracy	S2	Accuracy				TUV	UL	CE
ZP05D0505W	0.3mA	0.3W	5V>2.5W	±3%	5V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D0606W	0.3mA	0.3W	6V>2.5W	±3%	6V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D0707W	0.3mA	0.3W	7V>2.5W	±3%	7V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D0909W	0.3mA	0.3W	9V>2.5W	±3%	9V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D1010W	0.3mA	0.3W	10V>2.5W	±3%	10V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D1212W	0.3mA	0.3W	12V>2.5W	±3%	12V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D1515W	0.3mA	0.3W	15V>2.5W	±3%	15V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D1818W	0.3mA	0.3W	18V>2.5W	±3%	18V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D2424W	0.3mA	0.3W	24V>2.5W	±3%	24V>2.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D0312W	0.3mA	0.3W	3.3V>1.5W	±3%	12V>3.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D0512W	0.3mA	0.3W	5V>1.5W	±3%	12V>3.5W	±10%	<1% Vout	65	50g	•	•	•
ZP05D0712W	0.3mA	0.3W	7V>1.5W	±3%	12V>3.5W	±10%	<1% Vout	65	50g	•	•	•

5W DUAL OUTPUT SERIES AC-DC POWER MODULE(P-S ISOLATED,S-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 5V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

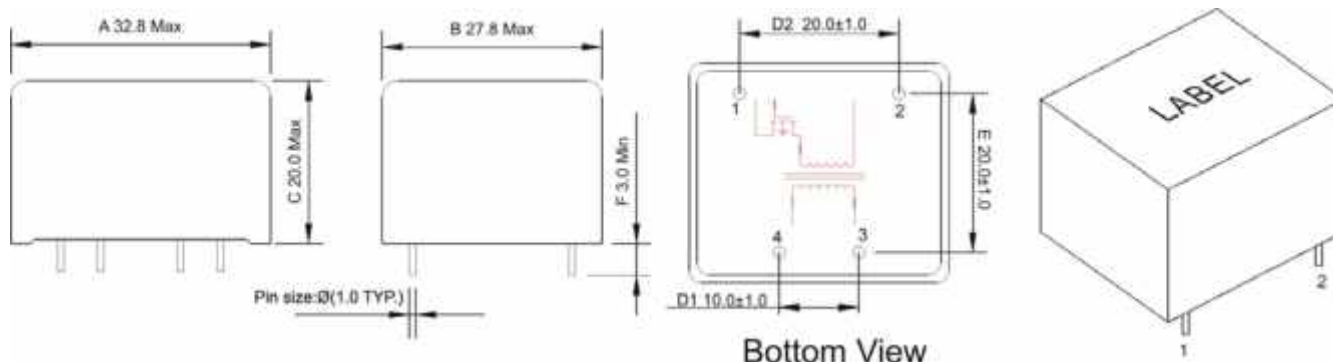
Order Number	Leakage Current (Ma)	No load Loss (W)	Output				Ripple & Noise	Ambient TEMP (?)	Weight
			S1 Voltage	Accuracy	S2 Voltage	Accuracy			
ZP05D0505W-NC	0.3mA	0.3W	5V>2.5W	±3%	5V>2.5W	±10%	<1% Vout	70	50g
ZP05D0909W-NC	0.3mA	0.3W	9V>2.5W	±3%	9V>2.5W	±10%	<1% Vout	70	50g
ZP05D1010W-NC	0.3mA	0.3W	10V>2.5W	±3%	10V>2.5W	±10%	<1% Vout	70	50g
ZP05D1212W-NC	0.3mA	0.3W	12V>2.5W	±3%	12V>2.5W	±10%	<1% Vout	70	50g
ZP05D1515W-NC	0.3mA	0.3W	15V>2.5W	±3%	15V>2.5W	±10%	<1% Vout	70	50g
ZP05D1818W-NC	0.3mA	0.3W	18V>2.5W	±3%	18V>2.5W	±10%	<1% Vout	70	50g
ZP05D2424W-NC	0.3mA	0.3W	24V>2.5W	±3%	24V>2.5W	±10%	<1% Vout	70	50g
ZP05D0312W-NC	0.3mA	0.3W	3.3V>1.5W	±3%	12V>3.5W	±10%	<1% Vout	70	50g
ZP05D0512W-NC	0.3mA	0.3W	5V>1.5W	±3%	12V>3.5W	±10%	<1% Vout	70	50g

5W SINGLE OUTPUT MINI SERIES AC-DC POWER MODULE (P-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 3.3V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size
- UL, TUV Approved

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

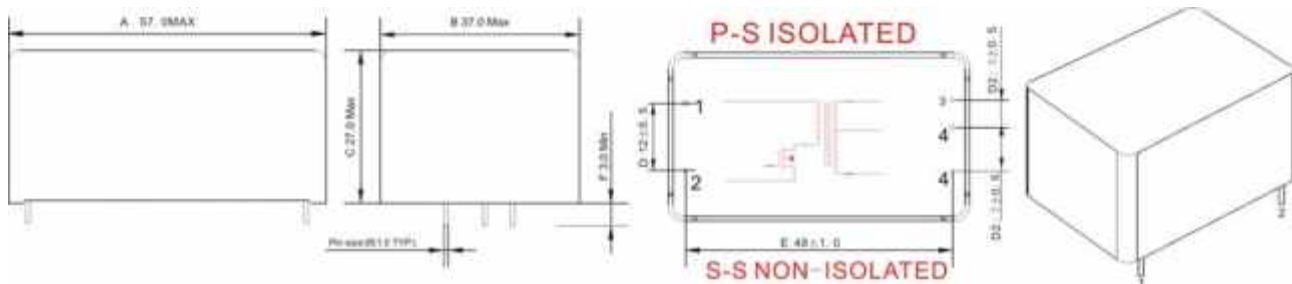
Order Number	Leakage Current (mA)	No load Loss (W)	Output Voltage (VDC.)	Output Current (mA)	Voltage Accuracy	Ripple	Noise	Ambient TEMP (°C)	Weight	Certificate		
										TUV	UL	CE
ZP05S0300WB	0.1mA	0.15W	3.3V	1515	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S0500WB	0.1mA	0.15W	5V	1000	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S0700WB	0.1mA	0.15W	7V	714	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S0800WB	0.1mA	0.15W	8V	625	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S0900WB	0.1mA	0.15W	9V	555	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S1000WB	0.1mA	0.15W	10V	500	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S1200WB	0.1mA	0.15W	12V	417	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S1500WB	0.1mA	0.15W	15V	333	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S1800WB	0.1mA	0.15W	18V	278	± 5%	<5% Vout	<5% Vout	50	35g		•	•
ZP05S2400WB	0.1mA	0.15W	24V	208	± 5%	<5% Vout	<5% Vout	50	35g		•	•

10W DUAL OUTPUT SERIES AC-DC POWER MODULE (P-S ISOLATED,S-S NON-ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 3V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

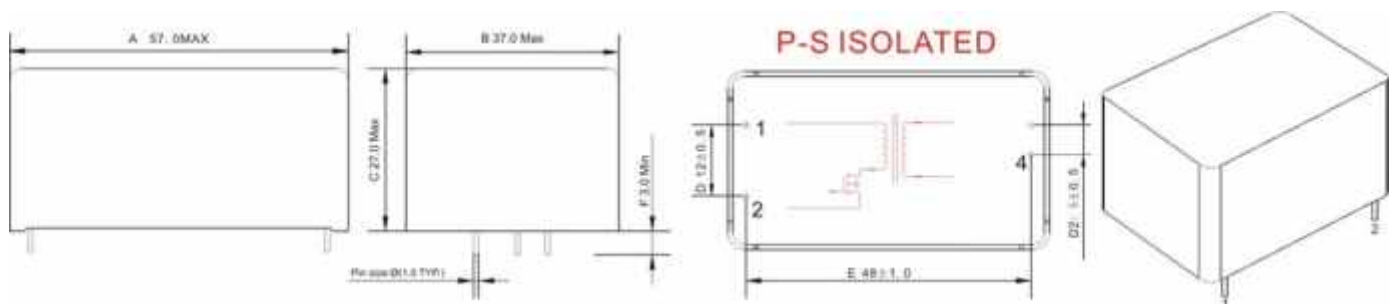
Order Number	Leakage Current (Ma)	No load Loss (W)	Output				Ripple & Noise	Ambient TEMP()	Weight
			S1 Voltage	Accuracy	S2 Voltage	Accuracy			
ZP10D0512W	0.3mA	0.3W	5VV>5W	±3%	12V>5W	±10%	<1% Vout	70	70g
ZP10D1212W	0.3mA	0.3W	12V>5W	±3%	12V>5W	±10%	<1% Vout	70	70g

10W HIGH PRECISION SINGLE OUTPUT SERIES AC-DC POWER MODULE (P-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 3V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size
- UL, TUV Approved

OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

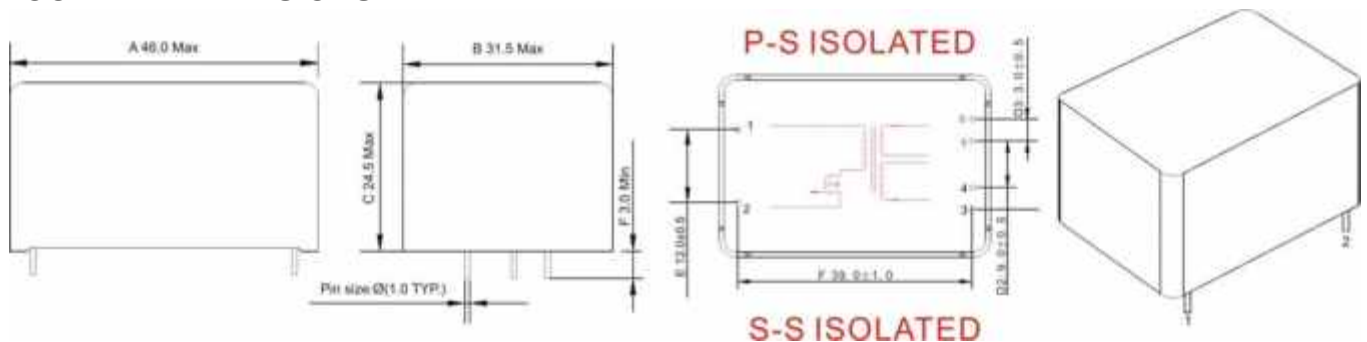
Order Number	Leakage Current (Ma)	No load Loss (W)	Output Voltage (VDC.)	Output Current (A)	Voltage Accuracy	Ripple	Noise	Ambient TEMP()	Weight	Certificate		
										TUV	UL	CE
ZP10S0300W	0.3mA	0.3W	3.3	3	±3%	<50mV	<1% Vout	55	80g	•		•
ZP10S0500W	0.3mA	0.3W	5	2	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S0600W	0.3mA	0.3W	6	1.66	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S0700W	0.3mA	0.3W	7	1.43	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S0800W	0.3mA	0.3W	8	1.25	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S0900W	0.3mA	0.3W	9	1.11	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S1000W	0.3mA	0.3W	10	1	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S1200W	0.3mA	0.3W	12	0.83	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S1500W	0.3mA	0.3W	15	0.66	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S1800W	0.3mA	0.3W	18	0.55	±3%	<50mV	<1% Vout	70	80g	•		•
ZP10S2400W	0.3mA	0.3W	24	0.42	±3%	<50mV	<1% Vout	70	80g	•		•

10W SINGLE OUTPUT MINI SERIES AC-DC POWER MODULE (P-S ISOLATED)

FEATURES

- Input Range 100-240VAC 50/60Hz
- Output range from 3V-24VDC
Also can be customized
- Switching Power Module For PCB Mount
- Encapsulated Design Prevent dust and humidity
- Self-Extinguishing Plastic 94V-0
- High efficiency, Low Temperature Rise
- Dielectric Strength 3600VAC
- Integrated perfect Protection
Low standby power and Leakage Current
- Integrated EMC network
- Dielectric Strength: 3600Vac 5mA1min
- Protection: OLP: Output over load protection
OSP: Output short protection
OTP: Over temperature protection
- Compact Size

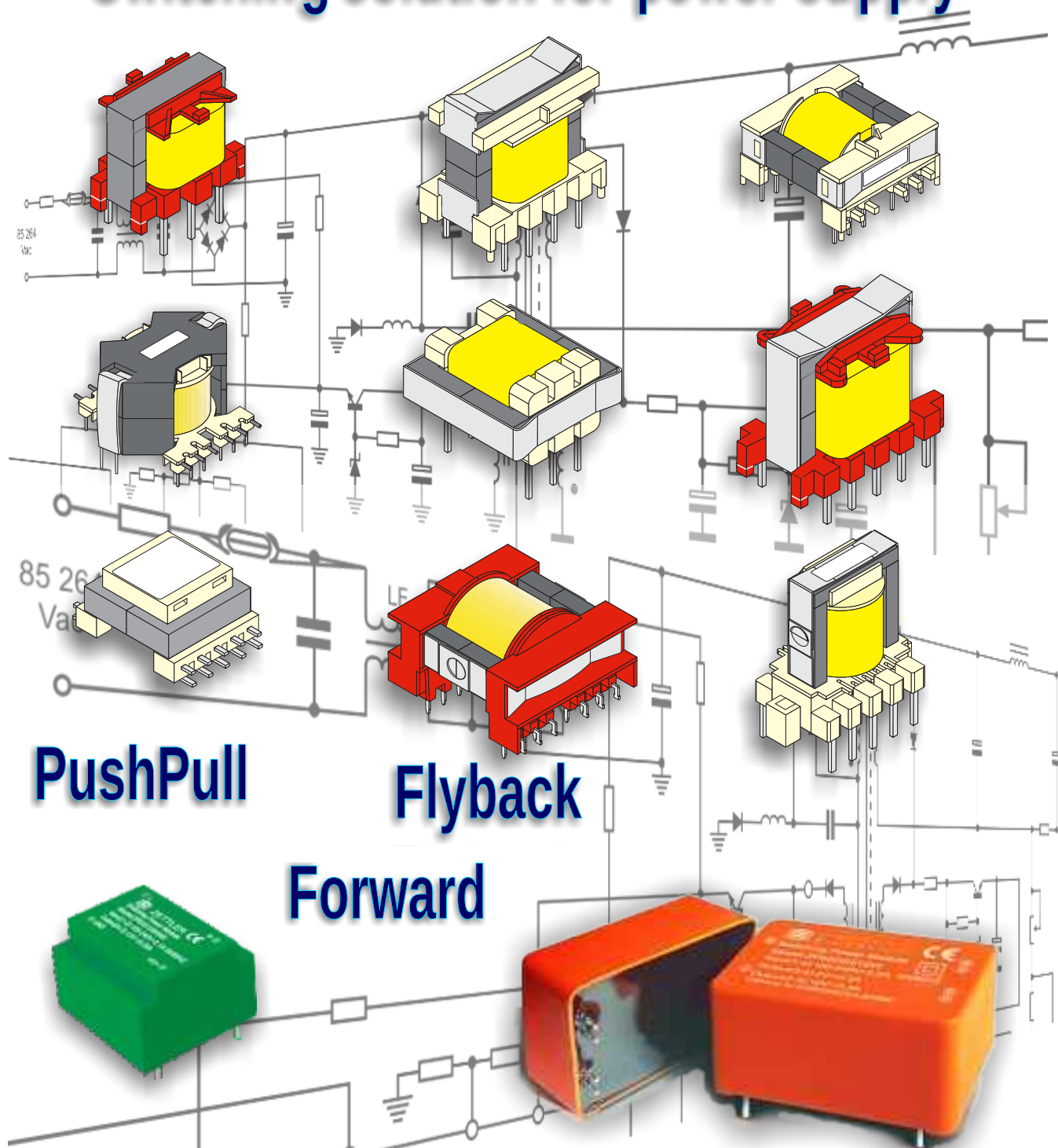
OUTLINE DIMENSIONS



ELECTRONIC SPECIFICATIONS

Order Number	Leakage Current (Ma)	No load Loss (W)	Output Voltage (VDC.)	Output Current (A)	Voltage Accuracy	Ripple	Noise	Ambient TEMP (°C)	Weight	Certificate		
										TUV	UL	CE
ZP10S0300WB	0.3mA	0.15W	3.3	3	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S0500WB	0.3mA	0.15W	5	2	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S0600WB	0.3mA	0.15W	6	1.66	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S0700WB	0.3mA	0.15W	7.5	1.33	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S0900WB	0.3mA	0.15W	9	1.11	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S1200WB	0.3mA	0.15W	12	0.833	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S1500WB	0.3mA	0.15W	15	0.666	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S1800WB	0.3mA	0.15W	18	0.555	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S2400WB	0.3mA	0.15W	24	0.416	±5%	<5% Vout	<5% Vout	50	50g			
ZP10S4800WB	0.3mA	0.15W	48	0.208	±5%	<5% Vout	<5% Vout	50	50g			

Switching solution for power supply



PushPull

Flyback

Forward

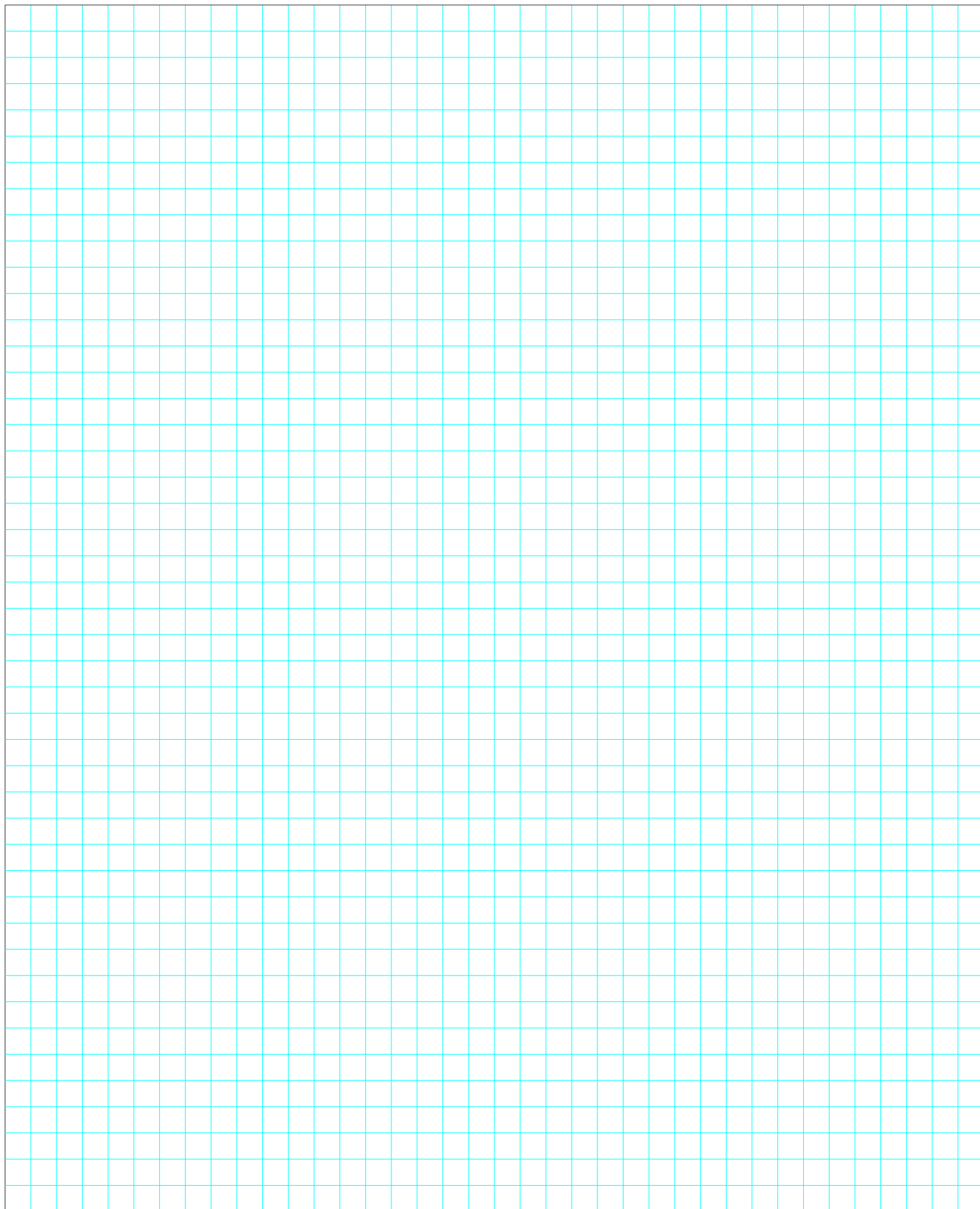
Switching PCB modules 3W - 5W - 10W - Custom

Ferriti, avvolti speciali per elettronica, alimentatori switching

ZETTLER MAGNETICS

NOTE

Tel. +39 0471 305400 Fax +39 0471 305444
www.technoLASA.com mail: sales@technoLASA.com



Power ferrite switching Transformers

Features

Primary / Secondary Insulation > 4000V
Primary / Auxiliary Insulation > 1500V
Creepage distance Primary / Secondary > 6mm.
Constructions Conform to IEC950, IEC335, IEC61558
Use UL94 - VO Listed Materials

Switching Power Supply Modules

Features

Universal Input Range 90Vac to 264Vac
Encapsulated design for PCB mount
Different output voltage single out or dual out
Primary / Auxiliary Insulation > 1500V
No load loss minor as 0,3W
Use UL94 - VO Listed Materials

technoLASA S.r.l.

Via Max Planck, 1
I - 39100 BOLZANO
Tel: + 39-0471-305400
Fax: + 39-0471-305444

www. **technoLASA** .com
e-mail: sales@**technoLASA**.com