

# TFB Series

3-5A 0-100Vdc input DC/DC EMI filter

Features:

- ◆ Input voltage range: 0-100VDC, current capacity: 5A
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Small size, height 10.2mm
- ◆ High interference suppression ratio

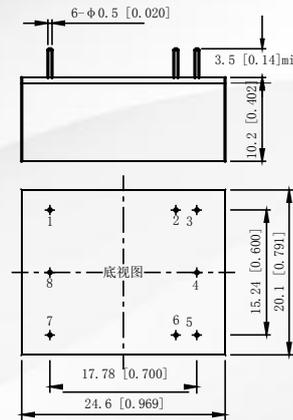


## Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance			70	mΩ	
Differential mode loss		35		dB	Tested at 500 kHz, 50 Ω
Common mode loss		50		dB	Tested at 500 kHz, 50 Ω
Working temperature	-45		+85	°C	
Storage Temperature	-55		+125	°C	
Efficiency	99.2	99.4		%	Input 48Vdc@5A

Product model	Input voltage range	Through current	Filter form
TFB100BA3	0~100Vdc	3A	Differential @ Common mode
TFB100BA5	0~100Vdc	5A	Differential @ Common mode

## Encapsulation size



Pins	Symbol	Function
1	+Vin	Positive input
2	+Vo	Positive output
3	+Vo	Positive output
4	FG	shell pin
5	-Vo	Negative output
6	-Vo	Negative output
7	-Vin	Negative input
8	FG	shell pin

Shell material: Nickel-plated copper shell with shielding cover plate (black); Pin material: brass, gold-plated  
 Units: mm(inches)  
 Unspecified tolerance: X.X±0.5(X.XX±0.02)  
 X.XX±0.25(X.XXX±0.010)

EMI 滤波器

# TFP Series

5-10A 0-100Vdc input DC/DC EMI filter

Features:

- ◆ Input voltage range: 0-100VDC, current capacity: 10A
- ◆ Operating temperature range: -40°C to +85°C
- ◆ 1/16 brick package, small size
- ◆ High interference suppression ratio

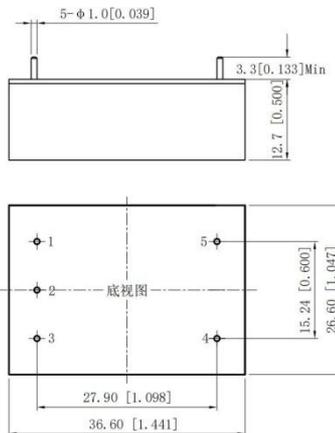


## Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance			25	mΩ	
Differential mode loss		50		dB	Tested at 500 kHz, 50 Ω
Common mode loss		45		dB	Tested at 500 kHz, 50 Ω
Working temperature	-45		+85	°C	
Storage Temperature	-55		+125	°C	
Efficiency	99	99.5		%	Input 48Vdc@5A

Product model	Input voltage range	Through current	Filter form
TFP100BA5	0~100Vdc	5A	Differential @ Common mode
TFP100BA10	0~100Vdc	10A	

## Encapsulation size



Pins	Symbol	Function
1	-Vin	Negative input
2	FG	shell pin
3	+Vin	Positive input
4	+Vo	Positive output
5	-Vo	Negative output

Shell material: metal shell, plastic cover plate; Pin material: brass, gold-plated  
 Units: mm(inches)  
 Unspecified tolerance: X.X±0.5(X.XX±0.02)  
 X.XX±0.25(X.XXX±0.010)