

TFC Series

5~10A 0-200Vdc input DC/DC EMI filter

Features:

- ◆ Input voltage range: 0-200VDC
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Six-sided metal shielding, height 12.7mm
- ◆ High interference suppression ratio

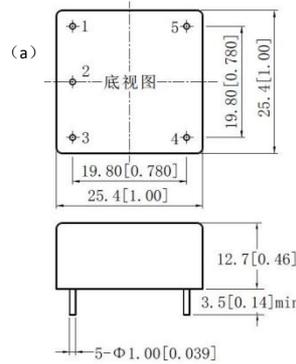


Performance parameters

3-5A Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance		27		mΩ	
Differential mode loss		50		dB	Tested at 500 kHz, 50 Ω
Common mode loss		35		dB	Tested at 500 kHz, 50 Ω
Working temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Efficiency	98	99.4		%	Input 48Vdc@5A, maximum load condition
Anti-reverse function	Add "F" letters after the mode				Maximum input voltage
Delay startup	Add "L" letters after the mode				Maximum output power: 45W

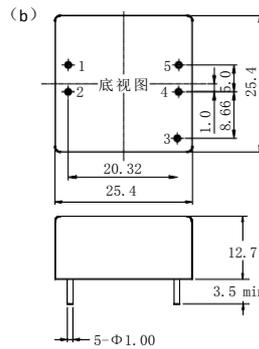
10A Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance		18		mΩ	
Differential mode loss		35		dB	Tested at 500 kHz, 50 Ω
Common mode loss		30		dB	Tested at 500 kHz, 50 Ω
Working temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Efficiency	98	99.4		%	Input 48Vdc@5A, maximum load condition

Encapsulation size



引脚	功能
1	+Vin
2	FG
3	-Vin
4	-Vo
5	+Vo

注: 单位: mm[inches]
未注公差:
X.X±0.5[X.XX±0.02]
X.XX±0.25[X.XXX±0.010]
引脚直径公差:
±0.10[±0.004]



引脚	功能
1	Vo+
2	Vo-
3	CASE
4	Vin-
5	Vin+

Production Selection Table

Product model	Input voltage range	Through current	Outside drawing	Product model	Input voltage range	Through current	Outside drawing
TFC100BA5	0~100Vdc	5A	(a)	TFC24BA5	0~50Vdc	5A	(a)
TFC100BA10	0~100Vdc	10A	(a)	TFC24BA10	0~50Vdc	10A	(a)
TFC200BA5	0~200Vdc	5A	(a)	TFC100BA3Z	0~100Vdc	3A	(b)
TFC200BA10	0~200Vdc	10A	(a)	TFC100BA5Z	0~100Vdc	5A	(b)