

TFK Series

10A 0-200Vdc input DC/DC EMI filter, DIP package

Features:

- ◆ Input voltage range: 0-200VDC
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Six-sided metal shielding, 1x2 -inch package height 12.7mm
- ◆ High interference suppression ratio

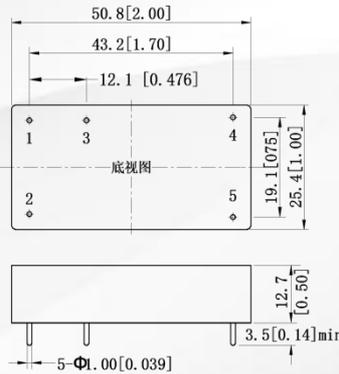


Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance		18		mΩ	
Differential mode loss		32		dB	Tested at 500 kHz, 50Ω
Common mode loss		26		dB	Tested at 500 kHz, 50Ω
Isolation voltage		1500		Vdc	Input and output to the shell
Working temperature	-40		+85	°C	
Efficiency	98	99.2		%	Input 48Vdc@10A
Anti-reverse function	Add "F" letters after the mode				Maximum input
Delay startup	Add "L" letters after the mode				Maximum output power: 100W

Product model	Input voltage range	Input current
TFK100A10	0~100Vdc	10A
TFK200A10	0~200Vdc	10A

Encapsulation size



引脚	功能
1	+Vin
2	-Vin
3	FG
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]

TFL Series

20A 0-200Vdc input DC/DC EMI filter, DIP package

Features:

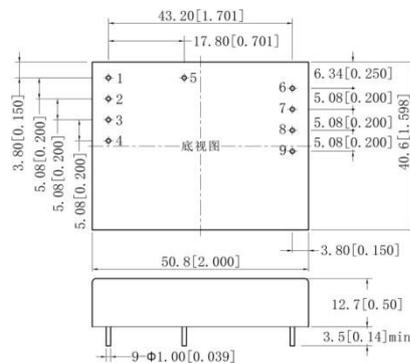
- ◆ Input voltage range: 0-200VDC
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Six-sided metal shielding, 2x1.6 -inch package height 12.7mm
- ◆ High interference suppression ratio



Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance		5		mΩ	
Differential mode loss		32		dB	Tested at 500 kHz, 50Ω
Common mode loss		26		dB	Tested at 500 kHz, 50Ω
Isolation voltage		1500		Vdc	Input and output to the shell
Working temperature	-40		+85	°C	
Efficiency	98	99.2		%	Input 48Vdc@20A, maximum load condition
Anti-reverse function	Add "F" letters after the mode				Maximum input
Delay startup	Add "L" letters after the mode				Maximum output power: 200W

Encapsulation size



引脚	功能
1	-Vin
2	-Vin
3	+Vin
4	+Vin
5	FG
6	-Vo
7	-Vo
8	+Vo
9	+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]

Production Selection Table

Product model	Input voltage range	Input current
TFL100A20	0~100Vdc	20A
TFL200A20	0~200Vdc	20A