

TFE Series

10A 0-100Vdc input DC/DC EMI filter, DIP package

Features:

- ◆ Input voltage range: 0-100VDC
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Six-sided metal shielding, 1/8 -inch package height 12.7mm
- ◆ High interference suppression ratio

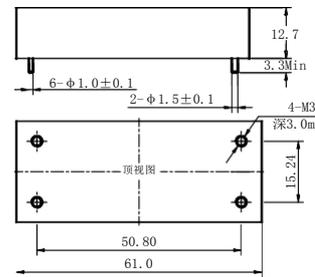
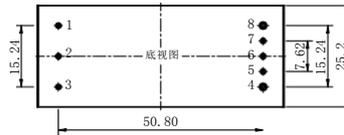


Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance			16	mΩ	
Differential mode loss		24		dB	Tested at 500 kHz, 50 Ω
Common mode loss		57		dB	Tested at 500 kHz, 50 Ω
Isolation voltage		1500		Vdc	Input and output to the shell
Working temperature	-40		+85	°C	
Efficiency	99	99.7		%	Input 48Vdc@10A, 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: 100W

Product model	Input voltage range	Input current
TFE50A10	0~50Vdc	10A
TFE100A10	0~100Vdc	10A

Encapsulation size



引脚	功能
1	-Vin
2	CNT
3	+Vin
4、5	+Vo
6	FG
7、8	-Vo

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±0.1[±0.004]

TFQ Series

15A 0-100Vdc input DC/DC EMI filter, DIP package

Features:

- ◆ Input voltage range: 0-100VDC
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Six-sided metal shielding, 1/4 -inch package height 12.7mm
- ◆ High interference suppression ratio



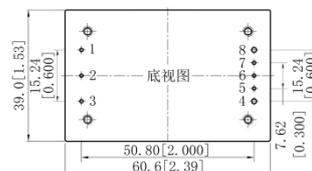
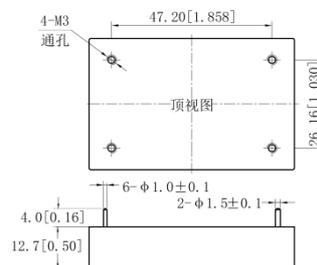
Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Pin DC resistance		5		mΩ	
Differential mode loss		35		dB	Tested at 500 kHz, 50 Ω
Common mode loss		30		dB	Tested at 500 kHz, 50 Ω
Isolation voltage		1500		Vdc	Input and output to the shell
Working temperature	-40		+85	°C	
Efficiency	98	99.2		%	Input 48Vdc@15A, 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

Production Selection Table

Product model	Input voltage range	Input current
TFQ50A15	0~50Vdc	15A
TFQ100A15	0~100Vdc	15A

Encapsulation size



Pins	Symbol
1	-Vin
2	CNT
3	+Vin
4、5	+Vo
6	FG
7、8	-Vo

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±0.1[±0.004]