

DC-DC Converters

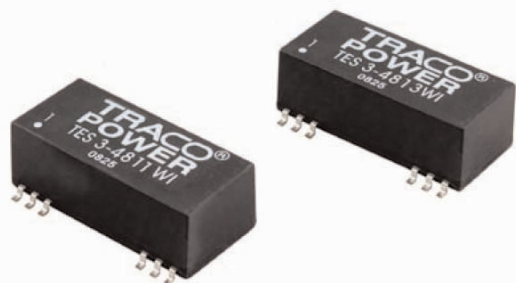
**POWER
SOLVE**

TES 3WI Series, 3 Watt

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Features

- Compact SMD package
- Ultra wide 4 : 1 input voltage range
- Fully regulated output
- Short circuit protection
- Input filter to meet EN 55022 class A
- Remote On/Off



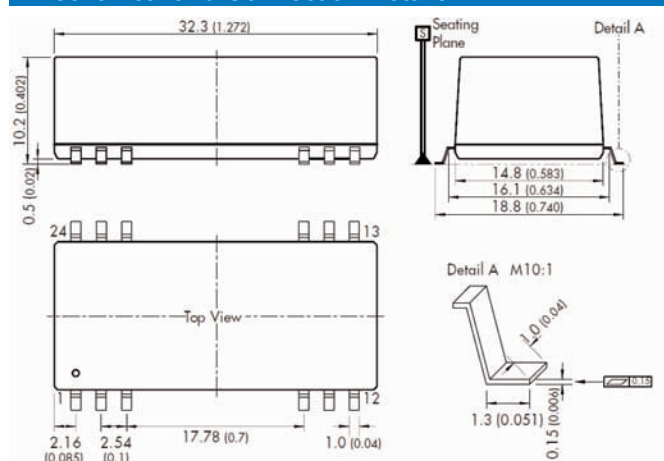
Electrical Specification

Input filter	EN 55022 class A & FCC level A (internal filter)
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +71°C (no derating)
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Remote On/Off	shutdown input for low input current (10mA) in standby operation
Casing	plastic (UL94V-0 rated)

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFFICIENCY
TES3-2410WI	9 - 36VDC	3.3VDC	750mA	75mV pk-pk max.	0.3%	1.0%	75%
TES3-2411WI		5VDC	600mA	75mV pk-pk max.	0.3%	1.0%	79%
TES3-2412WI		12VDC	250mA	75mV pk-pk max.	0.3%	1.0%	81%
TES3-2413WI		15VDC	200mA	75mV pk-pk max.	0.3%	1.0%	81%
TES3-2421WI		±5VDC	±300mA	75mV pk-pk max.	0.3%	2.0%	78%
TES3-2422WI		±12VDC	±125mA	75mV pk-pk max.	0.3%	2.0%	81%
TES3-2423WI		±15VDC	±100mA	75mV pk-pk max.	0.3%	2.0%	81%
TES3-4810WI	18 - 75VDC	3.3VDC	750mA	75mV pk-pk max.	0.3%	1.0%	76%
TES3-4811WI		5VDC	600mA	75mV pk-pk max.	0.3%	1.0%	80%
TES3-4812WI		12VDC	250mA	75mV pk-pk max.	0.3%	1.0%	83%
TES3-4813WI		15VDC	200mA	75mV pk-pk max.	0.3%	1.0%	83%
TES3-4821WI		±5VDC	±300mA	75mV pk-pk max.	0.3%	2.0%	80%
TES3-4822WI		±12VDC	±125mA	75mV pk-pk max.	0.3%	2.0%	83%
TES3-4823WI		±15VDC	±100mA	75mV pk-pk max.	0.3%	2.0%	83%

Mechanical and Connection Details



Pin	Single Output	Dual Output
1	-Vin (GND)	-Vin (GND)
2	-Vin (GND)	-Vin (GND)
3	Remote On/Off	Remote On/Off
10	No conn.	Common
11	No conn.	No conn.
12	No conn.	-Vout
13	+Vout	+Vout
14	No conn.	No conn.
15	-Vout	Common
22	No conn.	No conn.
23	+Vin (Vcc)	+Vin (Vcc)
24	+Vin (Vcc)	+Vin (Vcc)