

# TES 3WI Series ▶ 3 W



- ▶ Compact SMD package
- ▶ Ultra-wide 4:1 input voltage range
- ▶ Fully regulated output
- ▶ Operating temperature range  $-40\text{ °C}$  to  $+71\text{ °C}$
- ▶ I/O isolation 1500 VDC
- ▶ Short circuit protection
- ▶ Input filter to meet EN 55022, class A
- ▶ Remote On/Off
- ▶ Qualified for leadfree reflow solder process
- ▶ Available in tape & reel package



**NEW**  
Product

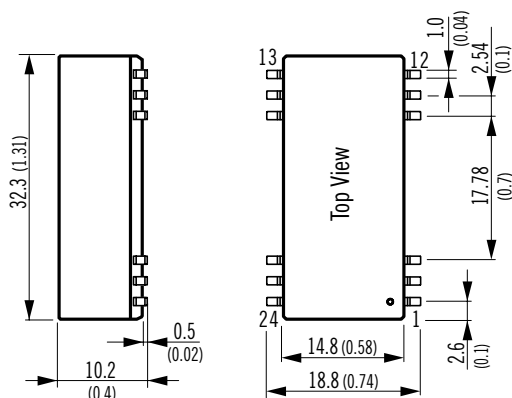
## Specifications

Line regulation	0.3 % max.
Load regulation	– Single output models: 1.0% max. – Dual output models: 2.0% max.
Ripple & noise	<75 mVpk-pk (20 MHz BW)
Input filter	EN 55022, class A and FCC, level A (internal filter)
Short circuit protection	continuous, no automatic recovery
Efficiency	85 % typ.
Operating temperature range	$-40\text{ °C}$ to $+71\text{ °C}$ (no derating)
I/O isolation test voltage	1500 VDC
Safety standards / approvals	cUL/UL 60950-1, IEC/EN 60950-1
Remote On/Off	shutdown input for low input current (10 mA) in standby operation
Case	plastic (UL 94 V-0 rated)

## Models

Order code	Input voltage	Output voltage	Output current max.
TES 3-2410WI		3.3 VDC	750 mA
TES 3-2411WI		5 VDC	600 mA
TES 3-2412WI		12 VDC	250 mA
TES 3-2413WI	9 – 36 VDC	15 VDC	200 mA
TES 3-2421WI		$\pm 5$ VDC	$\pm 300$ mA
TES 3-2422WI		$\pm 12$ VDC	$\pm 125$ mA
TES 3-2423WI		$\pm 15$ VDC	$\pm 100$ mA
TES 3-4810WI		3.3 VDC	750 mA
TES 3-4811WI		5 VDC	600 mA
TES 3-4812WI		12 VDC	250 mA
TES 3-4813WI	18 – 75 VDC	15 VDC	200 mA
TES 3-4821WI		$\pm 5$ VDC	$\pm 300$ mA
TES 3-4822WI		$\pm 12$ VDC	$\pm 125$ mA
TES 3-4823WI		$\pm 15$ VDC	$\pm 100$ mA

## Dimensions



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

( ) = Inches