

# DC/DC Converters, High Power Density

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## THD 15 Series, 15 Watt

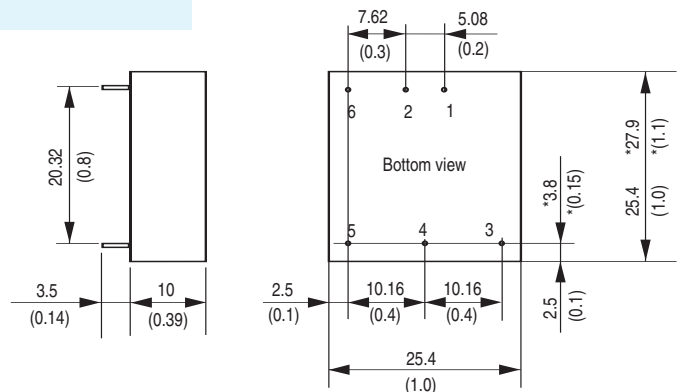
- = Smallest 15 W Converter in 25x25x10 mm Package
- = Wide 2:1 Input Range
- = Very high Efficiency up to 87%
- = Operating Temperature Range  $-25^{\circ}\text{C}$  to  $+71^{\circ}\text{C}$
- = I/O Isolation 1'500 VDC
- = Short Circuit Protection
- = Remote On/Off
- = Industry Standard Pinout



Line regulation	$\pm 0.5\%$ max.
Load regulation:	–Single output models: $\pm 0.5\%$ max. –Dual output models: $\pm 1.0\%$ max.
Ripple & Noise:	$< 80$ mVpk-pk (20 MHz BW)
Conducted EMI:	EN 55022, class A and FCC, level A (with external capacitor)
Short circuit protection:	continuous, automatic recovery
Efficiency:	86% typ.
Operating temperature range:	$-25^{\circ}\text{C}$ ... $+71^{\circ}\text{C}$ above $50^{\circ}\text{C}$ derating 2.5%/°C
I/O isolation voltage:	1'500 VDC
Safety standards:	cUL/UL 60950, IEC/EN 60950
Case:	plastic (UL 94V-0 rating)

Models			
Order Code	Input voltage	Output voltage	Output current max.
THD 15-2410	18 - 36 VDC	3.3 VDC	3500 mA
THD 15-2411		5 VDC	3000 mA
THD 15-2412		12 VDC	1250 mA
THD 15-2413		15 VDC	1000 mA
THD 15-2422		$\pm 12$ VDC	$\pm 600$ mA
THD 15-2423		$\pm 15$ VDC	$\pm 500$ mA
THD 15-4810	36 - 75 VDC	3.3 VDC	3500 mA
THD 15-4811		5 VDC	3000 mA
THD 15-4812		12 VDC	1250 mA
THD 15-4813		15 VDC	1000 mA
THD 15-4822		$\pm 12$ VDC	$\pm 600$ mA
THD 15-4823		$\pm 15$ VDC	$\pm 500$ mA

Pin-Out		
Pin	Single Output	Dual Output
1	+ Vin (Vcc)	+ Vin (Vcc)
2	– Vin (GND)	– Vin (GND)
3	+ Vout	+ Vout
4	No pin	Common
5	– Vout	– Vout
6	Remote On/Off	Remote On/Off



( ) = Inches

Pin  $\varnothing$  0.5 mm (0.04)

\*Dual output models