



Ultra wide input range 1:2

INDUSTRIAL
DC/DC Converters
 PWM - regulated

20 Watt
 25 Watt / 30 Watt

Series: TC2

Electrical specifications:

Input voltage accuracy:	wide	Ambient temperature:	-25°C to +71°C
Output voltage accuracy:	+/- 3%	Part-No. /9 Ambient temperature optional:	-55°C to +85°C
Line regulation:	+/- 0,2%	Operating temperature max. +105°C @Ta=71°C / +118°C @Ta +85°C	
Load regulation:	+/- 1%	Part-No. /0 Enable/Disable	
Efficiency:	min. 65%	Part-No. /2 Adjust output voltage	
Output Ripple & Noise:	150mV p-p	Part-No. /3 Isolation voltage optional min. 3kV AC rms	
Short circuit protection:	continuous	Part-No. /4 Isolation voltage optional min. 4kV AC rms	
Isolation voltage:	min. 1000V DC	Part-No. /5 External -IN & -OUT/COM connection allowed	
Case material:	metal		

Part - No. Single Output	Input Voltage DC	Output Voltage DC	Output Current		
			20W	25W	30W
TC2-1205 TC2-1212 TC2-1215 TC2-1224 TC2-1248 TC2-1260	9 - 18V	5V	4000mA	5000mA	
		12V	1670mA	2080mA	2500mA
		15V	1330mA	1670mA	2000mA
		24V	833mA	1040mA	1250mA
		48V	417mA	520mA	625mA
		60V	333mA	417mA	500mA
TC2-2405 TC2-2412 TC2-2415 TC2-2424 TC2-2448 TC2-2460	18 - 36V	5V	4000mA	5000mA	
		12V	1670mA	2080mA	2500mA
		15V	1330mA	1670mA	2000mA
		24V	833mA	1040mA	1250mA
		48V	417mA	520mA	625mA
		60V	333mA	417mA	500mA
TC2-4805 TC2-4812 TC2-4815 TC2-4824 TC2-4848 TC2-4860	36 - 72V	5V	4000mA	5000mA	
		12V	1670mA	2080mA	2500mA
		15V	1330mA	1670mA	2000mA
		24V	833mA	1040mA	1250mA
		48V	417mA	520mA	625mA
		60V	333mA	417mA	500mA

Part-Nr. /0
 Logic compatibility TTL
 ON: E/D-Pin open or >=4,6 ... 5,5V
 OFF: E/D-Pin <=0,6V

Area between 0,6V ... 4,6V undefined

Part-Nr. /2

$R_{Adj} > xR < 5R$
 5V
 12V 3k 5k
 15V

Do not use converter without R Adj

Other voltages on request.

ALL DIMENSIONS IN MM
 MILLIMETERS +/-0,25mm
 NP (no pin) on single output models
 COM (common) on dual output models

Note: Pin size is 1mm diameter
 No input polarity change allowed !

Part - No. Dual Output	Input Voltage DC	Output Voltage DC	Output Current		
			20W	25W	30W
TC2-1205D TC2-1212D TC2-1215D TC2-1224D TC2-1248D TC2-1260D	9 - 18V	+/- 5V	+/-2000mA	+/-2500mA	
		+/-12V	+/- 835mA	+/-1040mA	+/-1250mA
		+/-15V	+/- 665mA	+/- 835mA	+/-1000mA
		+/-24V	+/- 417mA	+/- 520mA	+/- 625mA
		+/-48V	+/- 209mA	+/- 260mA	+/- 313mA
		+/-60V	+/- 167mA	+/- 209mA	+/- 250mA
TC2-2405D TC2-2412D TC2-2415D TC2-2424D TC2-2448D TC2-2460D	18 - 36V	+/- 5V	+/-2000mA	+/-2500mA	
		+/-12V	+/- 835mA	+/-1040mA	+/-1250mA
		+/-15V	+/- 665mA	+/- 835mA	+/-1000mA
		+/-24V	+/- 417mA	+/- 520mA	+/- 625mA
		+/-48V	+/- 209mA	+/- 260mA	+/- 313mA
		+/-60V	+/- 167mA	+/- 209mA	+/- 250mA
TC2-4805D TC2-4812D TC2-4815D TC2-4824D TC2-4848D TC2-4860D	36 - 72V	+/- 5V	+/-2000mA	+/-2500mA	
		+/-12V	+/- 835mA	+/-1040mA	+/-1250mA
		+/-15V	+/- 665mA	+/- 835mA	+/-1000mA
		+/-24V	+/- 417mA	+/- 520mA	+/- 625mA
		+/-48V	+/- 209mA	+/- 260mA	+/- 313mA
		+/-60V	+/- 167mA	+/- 209mA	+/- 250mA

