

Wide input range 1:2
PWM - regulated

MEDICAL - INDUSTRIAL DC/DC Converters

EN/UL/CSA 60601-1 & 2 REINFORCED INSULATION

Stand: 23/13
20 Watt
25 Watt / 30 Watt
Series:
MED-TC2

Electrical specifications:

Input voltage: wide 1:2
Output voltage accuracy: +/- 3%
Line regulation: +/- 0,2%
Load regulation: +/- 1%
Efficiency: up to 87%
Output Ripple & Noise: 150mVp-p
Temperature coefficient: ±0,02% / °C

Short circuit protection:
Insulation test voltage:
Case material:
Operating temperature:
Ambient temperature:
Part-No. /9 Ambient temperature optional: -55°C to +85°C
Part-No. /0 Enable/Disable
Part-No. /2 Adjust output voltage

continuous
4kV AC rms
epoxy
-40°C up to +105°C
-40°C to +71°C (* = +50°C only)

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

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

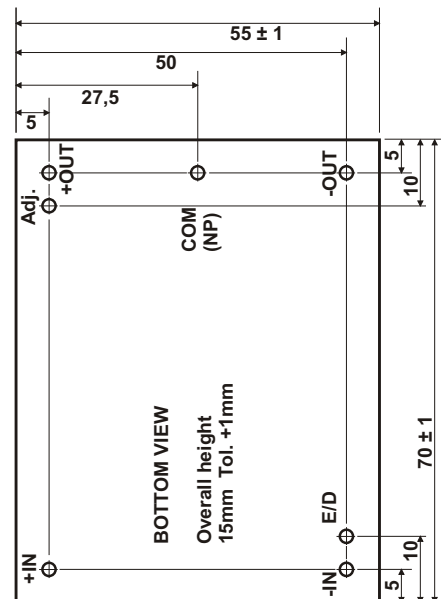
Part-Nr. /2

$R_{Adj} \geq xR \leq xR$
5V 3k 5k
12V 3k 5k
15V

Do not use converter
without R_{Adj}!

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

Part - No. Dual Output	Input Voltage DC	Output Voltage DC	Output Current		
			20W	25W	30W
MED-TC2-1205D	9 - 18V	+/- 5V	+/-2000mA	+/-2500mA *	+/- - - mA
MED-TC2-1212D		+/-12V	+/- 835mA	+/-1040mA *	+/-1250mA *
MED-TC2-1215D		+/-15V	+/- 665mA	+/- 835mA	+/-1000mA
MED-TC2-1224D		+/-24V	+/- 417mA	+/- 520mA	+/- 625mA
MED-TC2-1248D		+/-48V	+/- 209mA	+/- 260mA	+/- 313mA
MED-TC2-1260D		+/-60V	+/- 167mA	+/- 209mA	+/- 250mA
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MED-TC2-2405D	18 - 36V	+/- 5V	+/-2000mA	+/-2500mA	+/- - - mA
MED-TC2-2412D		+/-12V	+/- 835mA	+/-1040mA	+/-1250mA
MED-TC2-2415D		+/-15V	+/- 665mA	+/- 835mA	+/-1000mA
MED-TC2-2418D		+/-18V	+/- 555mA	+/- 694mA	+/- 625mA
MED-TC2-2424D		+/-24V	+/- 417mA	+/- 520mA	+/- 313mA
MED-TC2-2448D		+/-48V	+/- 209mA	+/- 260mA	+/- 250mA
MED-TC2-2460D	+/-60V	+/- 167mA	+/- 209mA	---	
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MED-TC2-4805D	36 - 72V	+/- 5V	+/-2000mA	+/-2500mA	+/- - - mA
MED-TC2-4812D		+/-12V	+/- 835mA	+/-1040mA	+/-1250mA
MED-TC2-4815D		+/-15V	+/- 665mA	+/- 835mA	+/-1000mA
MED-TC2-4824D		+/-24V	+/- 417mA	+/- 520mA	+/- 625mA
MED-TC2-4848D		+/-48V	+/- 209mA	+/- 260mA	+/- 313mA
MED-TC2-4860D		+/-60V	+/- 167mA	+/- 209mA	+/- 250mA



Input voltage range 4:1 (9-36V & 18-72V) also available

Any other output voltages available

All specifications typical @ Ta +25°C
Nom. Vin & full load, unless otherwise specified!

Specification may be changed without notice
please contact office for verification

Note: Pin size is 1mm diameter

We can offer EMC - Filter
according to EN55011/22 Class B.