

Wide input range 1:2
PWM - regulated

MEDICAL - INDUSTRIAL DC/DC Converters

Stand: 14/10
20 Watt
25 Watt / 30 Watt
Series:
MED-TC2

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

Electrical specifications:

Input voltage: wide 1:2
Output voltage accuracy: +/- 3%
Line regulation: +/- 0,2%
Load regulation: +/- 1%
Efficiency: min. 65%
Output Ripple & Noise: 150mVp-p
Temperature coefficient: ±0,02% / °C

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

continuous
4kV AC rms
epoxy
-40°C to +71°C (* = +50°C only)
-55°C to +85°C
max. +105°C

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

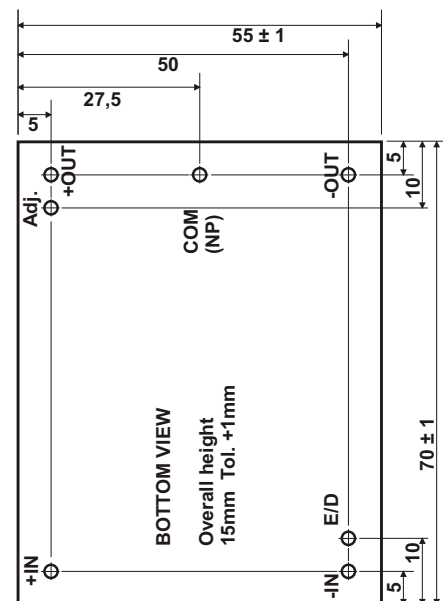
Do not use converter
without R_{Adj}!

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 |
| 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 |
| 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 |

**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 | +/- 167mA | +/- 209mA |
| 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 | +/- 167mA | +/- 209mA | |
| 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 | +/- 167mA | +/- 209mA |



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

Any other output voltages available

Note: Pin size is 1mm diameter

Specification may be changed without notice
please contact office for verification

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