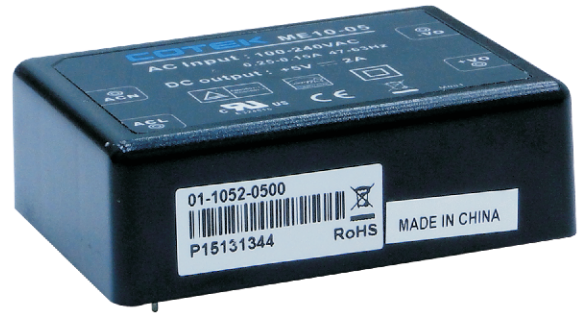


### Features:

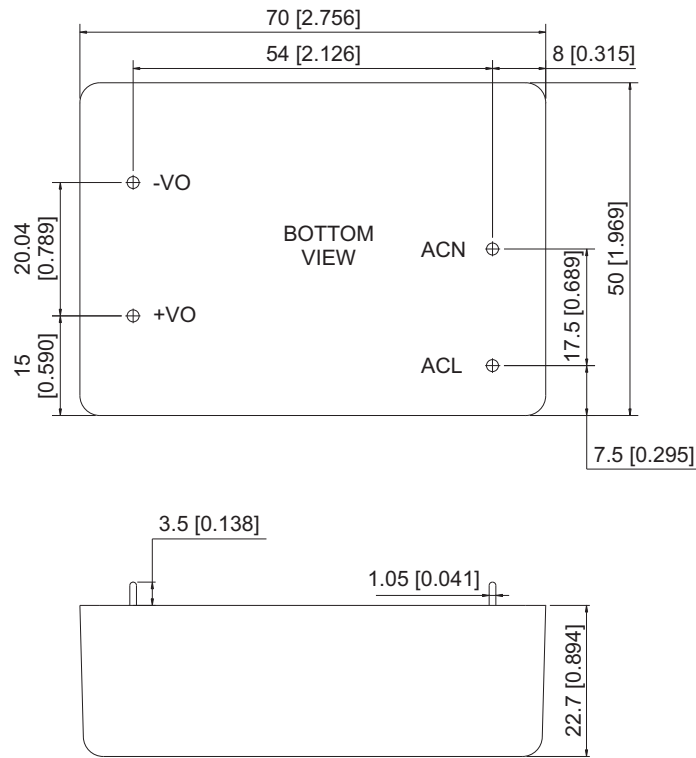
- Universal AC input / Full range
- Medical safety approval: ANSI / AAMI ES 60601-1 / TUV EN 60601-1: 2006; IEC 60601-1 / 2xMOPP
- Isolation class II
- Green design, No-load power consumption < 0.3W
- Protection: Short circuit, Over load, Over voltage  
Brown-out (Low AC Input Voltage)
- High operation temperature up to 70°C
- Withstand 2G vibration test
- 3 years warranty



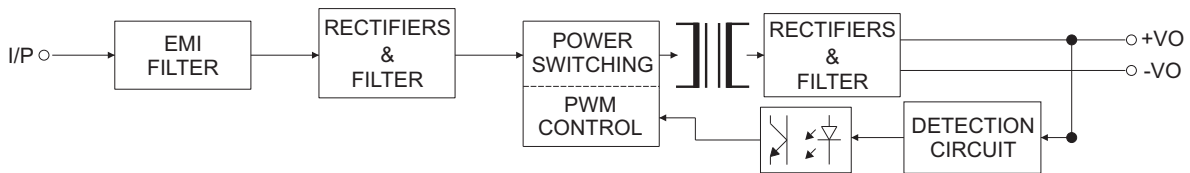
| MODEL        |   | ME10-05  | ME10-12   | ME10-15   | ME10-24   |
|--------------|---|--|-----------|-----------|-----------|
| Output       | DC Voltage Range  | 5V   | 12V       | 15V       | 24V       |
|              | Rated Current   | 2A   | 0.83A     | 0.66A     | 0.42A     |
|              | Current Range   | 0 ~ 2A   | 0 ~ 0.83A | 0 ~ 0.66A | 0 ~ 0.42A |
|              | Rated Power   | 10W  | 9.96W     | 9.9W      | 10.08W    |
|              | Ripple & Noise (Max.)   | 80mVp-p  | 150mVp-p  | 150mVp-p  | 240mVp-p  |
|              | Voltage Tolerance   | +5 / -3%   |           |           |           |
|              | Line Regulation   | Note.8 ±1%   | ±0.5%     | ±0.5%     | ±0.5%     |
|              | Load Regulation   | Note.8 ±1%   | ±0.5%     | ±0.5%     | ±0.5%     |
|              | Setup, Rise Time  | 100ms, 25ms / 230VAC, 100ms, 25ms / 115VAC at full load  |           |           |           |
| Hold Up Time | 100ms / 230VAC, 25ms / 115VAC at full load  |  |           |           |           |
| Input        | Voltage Range   | 85 ~ 264VAC, 125 ~ 373VDC  |           |           |           |
|              | Frequency Range   | 47 ~ 63Hz  |           |           |           |
|              | Efficiency (Typ.) at 230VAC   | 77%  | 79%       | 80%       | 82%       |
|              | AC Current (Typ.)   | 0.25A / 115VAC, 0.15A / 230VAC   |           |           |           |
|              | Inrush Current (Typ.)   | Cold Start 25A / 115VAC, 45A / 230VAC  |           |           |           |
| Protection   | Over Load   | Above 110% rated output power<br>Protection typ: Hiccup mode, recovers automatically after fault condition is removed                      |           |           |           |
|              | Over Voltage  | 115 ~ 145% rated output voltage<br>Protection typ: latch-off mode  |           |           |           |
| Environment  | Working Temp.   | -20 ~ +70°C (Refer to de-rating curve)   |           |           |           |
|              | Working Humidity  | 20 ~ 90% RH non-condensing   |           |           |           |
|              | Storage Temp. & Humidity  | -40 ~ +85°C, 10 ~ 95% RH   |           |           |           |
|              | Temp. Coefficient   | ±0.03% / °C (0 ~ 50°C)   |           |           |           |
|              | Vibration   | 10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes  |           |           |           |
| Safety & EMC | Safety Standards  | Certified UL / cUL (ANSI / AAMI ES 60601-1; CAN / CSA-C22.2 No.60601-1); NFPA 99<br>Certified TUV (EN 60601-1; IEC 60601-1); MOPP approval |           |           |           |
|              | Withstand Voltage   | I/P-O/P: 4KVAC   |           |           |           |
|              | Isolation Resistance  | I/P-O/P: 100M Ohms / 500VDC  |           |           |           |
|              | EMI Conduction & Radiation  | Certified EN 55011   |           |           |           |
|              | Harmonic Current  | Certified EN 61000-3-2; EN 61000-3-3   |           |           |           |
|              | EMS Immunity  | Certified EN 60601-1-2; IEC 61000-4-2, 3, 4, 5, 6, 8, 11   |           |           |           |
| Others       | MTBF  | 210.2K HRS Certified MIL-HDBK-217F   |           |           |           |
|              | Dimension (WxHxD)   | 50.0x22.7x70.0 mm / 1.969x0.894x2.756 inch   |           |           |           |
|              | Packing   | 0.105kg; 108pcs/ 12.34kg /1.43CUFT   |           |           |           |
| Note         | <ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF &amp; 47uF parallel capacitor.</li> <li>3. Tolerance: includes setup time tolerance, line regulation and load regulation.</li> <li>4. Line regulation is measured from low line to high line at rated load.</li> <li>5. Load regulation is measured from 10% to 100% rated load.</li> <li>6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> <li>7. Length of setup time is measured at first cold start. Turning ON/OFF the power supply continuously may increase the setup time.</li> <li>8. The line regulation and load regulation are calculated based on output voltage.</li> </ol> |  |           |           |           |

Unit : mm[inch]

### Mechanical Drawings:



### Block Diagram:



### De-rating Curve:

