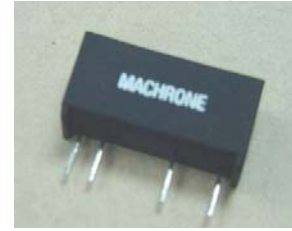


# 17D/25D – SERIES

## 1000 VDC TWIN OUTPUT 1 WATT DC-DC CONVERTER

### FEATURES

- 7 pin SIP and 14 pin DIL package.
- 1000VDC isolation.
- Unregulated output types.
- UL 94V-0 package material.



### GENERAL SPECIFICATIONS

|                                   |                      |
|-----------------------------------|----------------------|
| Output ripple(20MHz Band limited) | : 100mVp-p Max       |
| Isolation resistance              | : 1000MΩ Min @500VDC |
| Switching frequency               | : 100KHz TYP.        |
| Operating temperature             | : 0 °C to 70°C       |
| Efficiency (3.3V and 5V)          | : 70% TYP,65%Min     |
| Efficiency (9V,12V and 15V)       | : 80% TYP,70%Min     |

### ELECTRICAL SPECIFICATIONS

|                                    |                  |
|------------------------------------|------------------|
| Input voltage range                | : ±5%            |
| Output voltage tolerance           | : ±5%            |
| Line regulation (10% to 100% F.L.) | : 1.2%/1% of Vin |
| Load regulation (10% TO 100% F.L.) |                  |
| 3.3V and 5V output types           | : 15% Max        |
| 9V,12V and 15V output types        | : 10% Max        |

#### 5V, 12V Input Types

| Part Number  | Output 1      |              | Output 2      |              | Efficiency (% TYP.) |
|--------------|---------------|--------------|---------------|--------------|---------------------|
|              | Voltage (VDC) | Current (mA) | Voltage (VDC) | Current (mA) |                     |
| 17D-05D0503N | 5             | 100          | 3.3           | 152          | 70                  |
| 17D-XXD0505N | 5             | 100          | 5             | 100          | 75                  |
| 17D-XXD0509N | 5             | 100          | 9             | 56           | 75                  |
| 17D-XXD0512N | 5             | 100          | 12            | 42           | 75                  |
| 17D-XXD0515N | 5             | 100          | 15            | 34           | 75                  |
| 25D-05D0503N | 5             | 100          | 3.3           | 152          | 70                  |
| 25D-XXD0505N | 5             | 100          | 5             | 100          | 75                  |
| 25D-XXD0509N | 5             | 100          | 9             | 56           | 75                  |
| 25D-XXD0512N | 5             | 100          | 12            | 42           | 75                  |
| 25D-XXD0515N | 5             | 100          | 15            | 34           | 75                  |

### PIN CONNECTION

| PIN | 7 PIN    | PIN | 14 PIN   |
|-----|----------|-----|----------|
| 1   | +INPUT   | 1   | -INPUT   |
| 2   | -INPUT   | 7   | NC       |
| 4   | +OUTPUT1 | 8   | -OUTPUT2 |
| 5   | -OUTPUT1 | 9   | -OUTPUT2 |
| 6   | +OUTPUT2 | 10  | -OUTPUT1 |
| 7   | -OUTPUT2 | 11  | +OUTPUT1 |
|     |          | 14  | +INPUT   |

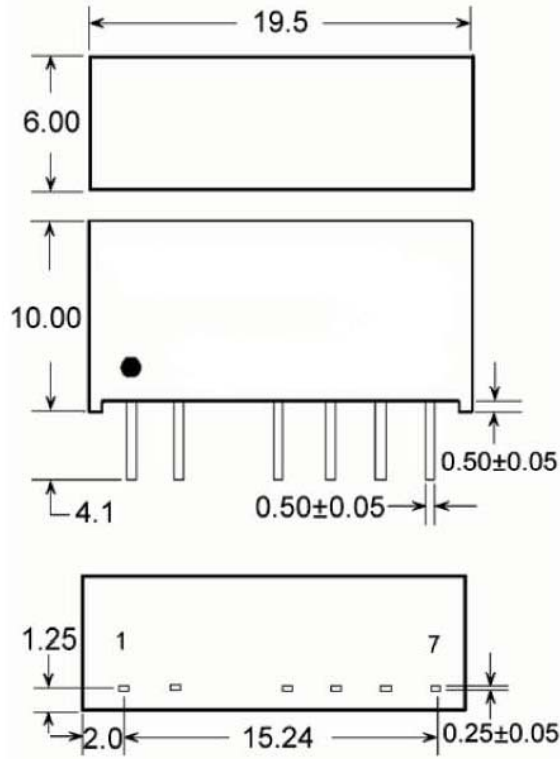
# 17D/25D – SERIES

## 1000 VDC TWIN OUTPUT 1 WATT DC-DC CONVERTER

### MARKING AND DIMENSION

Dimensions: inches/mm unless otherwise specified, all tolerances are  $\pm 0.05/\pm 0.13$

17D



25D

