

Key Features

- * High I/O isolation voltage
- * 16Pin DIL
- * Input filter
- * 100KHz typical switching frequency
- * Special designed for customer

Application

- * Telecommunications / Lan
- * Industrial machines

Electrical Specifications

Input

- * Input Range..... $\pm 5.0\%$ max
- * Input Filter.....Capacitor type

Output

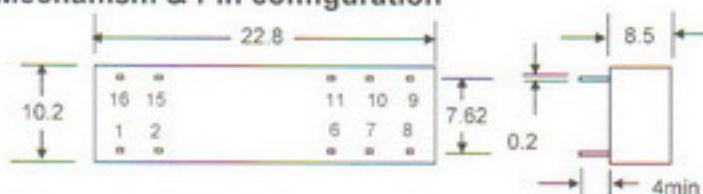
- * Voltage output accuracy(FL)..... $\pm 2.0\%$
- * Line regulation..... $\pm 1.2\%/1\%\Delta V_{in}$ max
..... $\pm 0.5\%$ (Regulated output)
- * Load regulation (1/5L - FL)..... $\pm 8.0\%$
- * Ripple and noise100mVp-p max
(20MHz Bandwidth)
- * Temperature coefficient..... $\pm 0.03\%/^{\circ}\text{C}$
- * Short circuit protection.....Momentary

General

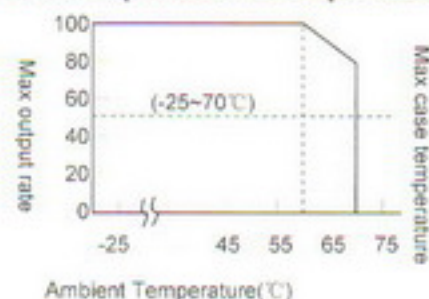
- * I/O isolation voltage.....2500Vac/1min
- * I/O resistance.....1G ohms min.
- * Isolation Capacitance.....20pFmax.
- * Case..... $22.8 \times 10.2 \times 8.5\text{mm}^3$
- * Operating temperature..... $-25 \sim +70^{\circ}\text{C}$
- * Storage temperature..... $-40 \sim +100^{\circ}\text{C}$
- * Cooling.....Free air convection
- * Weight.....5.1grams

All specifications typical at nominal line, full load, and 25°C unless otherwise noted.

Mechanism & Pin configuration



Ambient temperature & output derating



Pin No	1,2	6	7	8	9	10	11	15,16
Single Output	Vi-	NC	Vo-	Vo-	Vo+	Vo+	NC	Vi+
Dual Output	Vi-	NC	Vo-	0V	0V	Vo+	NC	Vi+

Selection Guide

Model	Input	Output
DCMD5S33-300	5.0V	3.3V
DCMD5S33-500	5.1V	3.3V
DCMD5S5-250	5.0V	5.0V
DCMD5S5-400	5.0V	5.0V
DCMD5S9-200	5.0V	9.0V
DCMD5S12-100	5.0V	12V
DCMD5S12-180	5.0V	12V
DCMD5S15-100	5.0V	15V
DCMD5S24-80	5.0V	24V

Model	Input	Output
DCMD12S5-250	12V	5.0V
DCMD12S5-400	12V	5.0V
DCMD12S9-200	12V	9.0V
DCMD12S12-100	12V	12V
DCMD12S12-180	12V	12V
DCMD24S5-250	24V	5.0V
DCMD24S5-400	24V	5.0V
DCMD24S12-100	24V	12V
DCMD24S12-180	24V	12V

Model	Input	Output
DCMD5D5-150	5.0V	$\pm 5.0\text{V}$
DCMD5D9-100	5.0V	$\pm 9.0\text{V}$
DCMD5D12-100	5.0V	$\pm 12\text{V}$
DCMD12D5-100	12V	$\pm 5.0\text{V}$
DCMD12D12-50	12V	$\pm 12\text{V}$
DCMD12D15-50	12V	$\pm 15\text{V}$
DCMD24D5-100	24V	$\pm 5.0\text{V}$
DCMD24D12-50	24V	$\pm 12\text{V}$
DCMD24D15-50	24V	$\pm 15\text{V}$

P/N:DCMD5S5-250 5V input Single output 5V @ 250mA

DCMD5D5-150 5V input Dual output $\pm 5\text{V}$ @ 150mA

* Detailed engineering specification of each model is available for inquiry.

* Specifications subject to change without notice.