

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 2 WATT DC/DC CONVERTER, SINGLE & MULTIPLE OUTPUTS

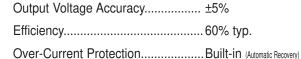
### **ELECTRICAL SPECIFICATIONS**

All specifications are typical at nominal input, full load

# INPUT SPECIFICATIONS

Input Voltage.....± 5%
Input Filter......PI-Network

# **OUTPUT SPECIFICATIONS**



Line Regulation.....±0.5%

Line Filter..... Built-in

Load Regulation.....±1.0% max. (Load Rate 0% ~ 100%)

Spike Noise (DC to 100 MHz).....Input 150 mVp-p max.

Output 70 mVp-p max.



# **FEATURES**

FULL SMD DESIGN WITH CERAMIC CAPACITORS

5 SIDED METAL CASE

EXTREMELY RELIABLE

INTERNAL EMI FILTER

> LOW OUTPUT RIPPLE AND NOISE

SHORT CIRCUIT PROTECTION

**DIRECT PCB-SOLDERING** 

**▼ INDUSTRY STANDARD PINOUT (IC-24P)** 

LOW PROFILE, 10mm (0.39") HEIGHT

V FIVE YEAR WARRANTY

## **GENERAL SPECIFICATIONS**

Isolation Voltage

# **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature  $-25 \sim +75^{\circ}\text{C}$ Temperature Coefficient  $\pm 0.05\%$ /  $^{\circ}\text{C}$ Humidity  $30\% \sim 95\%$  RH Storage Temperature  $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$ 

#### EMI

Complys with: CISPR CLASS A

# PHYSICAL SPECIFICATIONS

Case Material.....Nickel-Plated Steel
Dual In-Line Pin Configuration

# Series



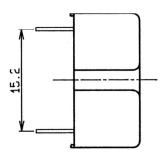
MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
MT2-0505SI		5 VDC	400mA
MT2-0512SI	5 VDC	12 VDC	160mA
MT2-0515SI	(4.5 ~ 5.5V)	15 VDC	130mA
MT2-0512WI		-12 VDC	–80mA
MT2-0515WI		-15 VDC	–65mA
MT2-1205SI		5 VDC	400mA
MT2-1212SI	12 VDC	12 VDC	160mA
MT2-1212WI	(9 ~ 18V)	-12 VDC	–80mA
MT2-1215WI		-15 VDC	–65mA
MT2-2405SI		5 VDC	400mA
MT2-2412SI	24 VDC	12 VDC	160mA
MT2-2412WI	(18 ~ 36V)	-12 VDC	–80mA
MT2-2415WI		-15 VDC	–65mA

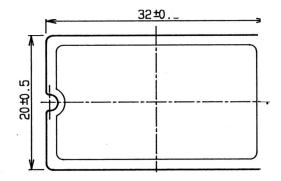
## TYPE A: SINGLE OUTPUT

1, 24	INPUT + V
12, 13	INPUT - V
11, 14	OUTPUT + V
10, 15	OUTPUT - V
2, 23	NC
3 22	NC:

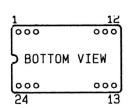
# TYPE A: DUALOUTPUT

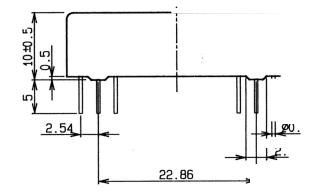
1, 24	INPUT + V
12, 13	INPUT - V
11, 14	OUTPUT1 + V
10, 15	OUTPUT1 - V
2, 23	OUTPUT2 + V
3, 22	OUTPUT2 - V





PIN LUCATION





#### NOTE:

All specifications typical and nominal / full load and  $25^{\circ}\text{C}$  unless otherwise noted. Avoid sustained operation in overload or dead short conditions. Specifications subject to changes without notice.

• Dimensions in mm