



Board Level DC/DC Converters

MT2W SERIES



Features:

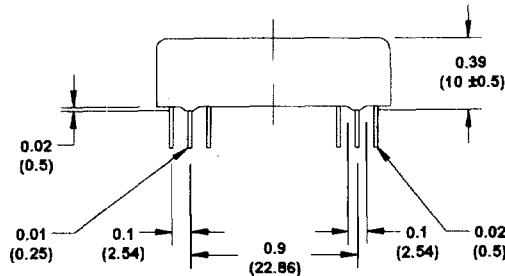
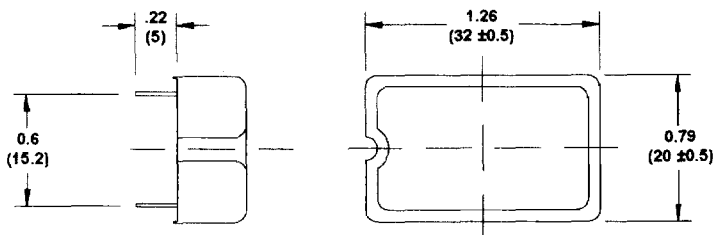
- Input Voltages: 5/12/24VDC
- Output Voltages: 5/12/15VDC
- High Efficiency & Reliability
- I/O Isolation 500VDC
- Internal EMI Filter
- Low Output Ripple and Noise
- Short Circuit Protection
- Direct PCB-soldering
- Industry Standard Pinout (IC-24P)
- Low Profile, 10mm (0.39") Height

SPECIFICATIONS

INPUT VOLTAGE RANGE	±10%
INPUT FILTER	PI-NETWORK
OUTPUT VOLTAGE ACCURACY	±5%
LINE REGULATION	±0.5%
LINE FILTER	BUILT-IN
LOAD REGULATION	±1.0% MAX (LOAD RATE 0% ~ 100%)
TEMPERATURE COEFFICIENT	±0.05%/C
OVERCURRENT PROTECTION	BUILT-IN (Automatic recovery)
EFFICIENCY	60% typ.
RIPPLE	120mVp-p (DC to 100MHZ)
SPIKE NOISE (DC to 10MHZ)	Input 150mVp-p max., Output 70mVp-p max.
OPERATING TEMPERATURE	0°C ~ +50°C
CASE TEMPERATURE	+91°C max.
STORAGE TEMPERATURE	-25°C ~ +85°C
HUMIDITY	30% ~ 95% RH
DIELECTRIC WITHSTANDING	Primary - Secondary DC500V/1 min. 5mA Primary - Case DC500V/1 min. 5mA Secondary - Case DC500V/1 min. 5mA
ISOLATION RESISTANCE	INPUT - OUTPUT - CASE 50M ohm min. (Measured at 500 VDC)
CASE MATERIAL	Stainless Steel
MTBF	>1,000,000 Hours
WARRANTY	Two years

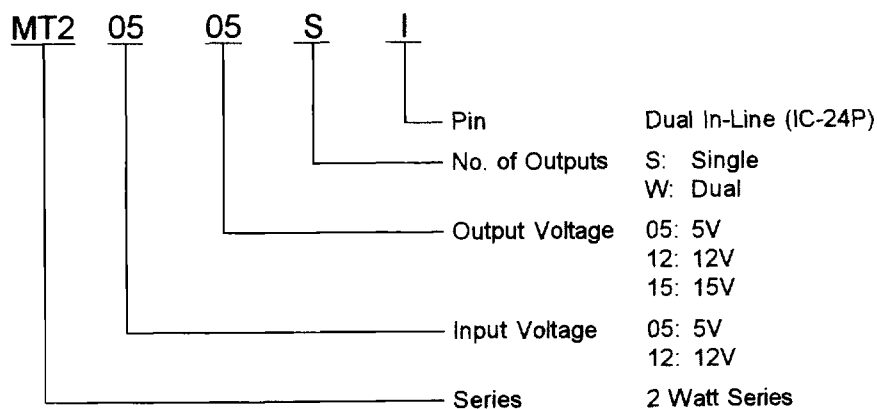
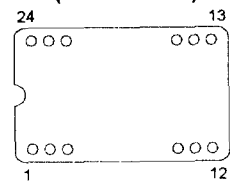
STANDARD UNITS

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



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

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

PIN LOCATION
(Bottom View)

Specifications subject to change without notice.



Volgen America, Inc.

1690 McCandless Drive, • Milpitas, CA 95035 • Tel: (408) 941-9696 • Fax: (408) 941-9697