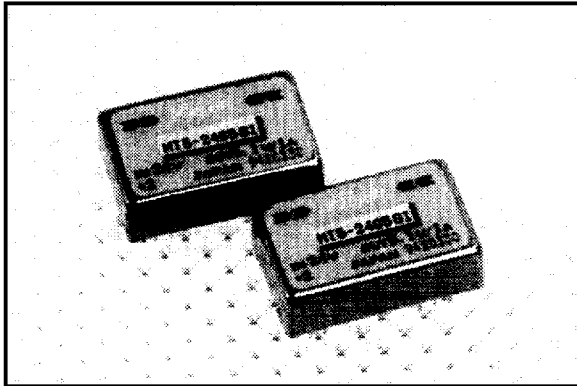




Board Level DC/DC Converters

MT5W SERIES



Features:

- Wide Input Range
- Single and Dual Outputs
- High Efficiency & Reliability
- High I/O Isolation 1500VDC
- 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

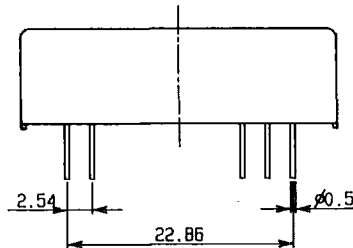
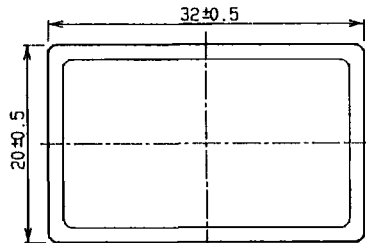
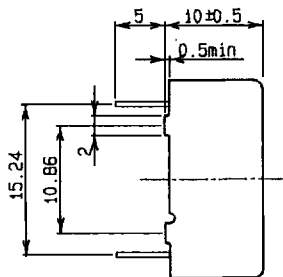
SPECIFICATIONS

INPUT VOLTAGE RANGE	MT5-24: 18 - 38 VDC MT5-48: 38 - 72 VDC
OUTPUT VOLTAGE ACCURACY	±5%
LINE REGULATION	±0.5% MAX
LINE FILTER	BUILT-IN
LOAD REGULATION	Single: ±1.0% MAX (10% ~ 100%) Dual: ±3.0% MAX (10% ~ 100%)
TEMPERATURE COEFFICIENT	±0.05% / °C
SHORT-CIRCUIT PROTECTION	Continuous
RIPPLE NOISE	150mVp-p max.(DC to 20MHZ)
EMI	EN55022 Class A
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-25°C ~ +85°C
HUMIDITY	30% ~ 95% RH
DIELECTRIC WITHSTANDING	Primary - Secondary: DC1500V / 1 min. Primary - Case: DC500V / 1 min. Secondary - Case: DC500V / 1 min.
ISOLATION RESISTANCE	INPUT - OUTPUT - CASE 50M ohm min. (Measured at 500 VDC)
CASE MATERIAL	Nickel - Plated Steel
MTBF	> 1,000,000 Hours
WARRANTY	2 YEARS

STANDARD UNITS

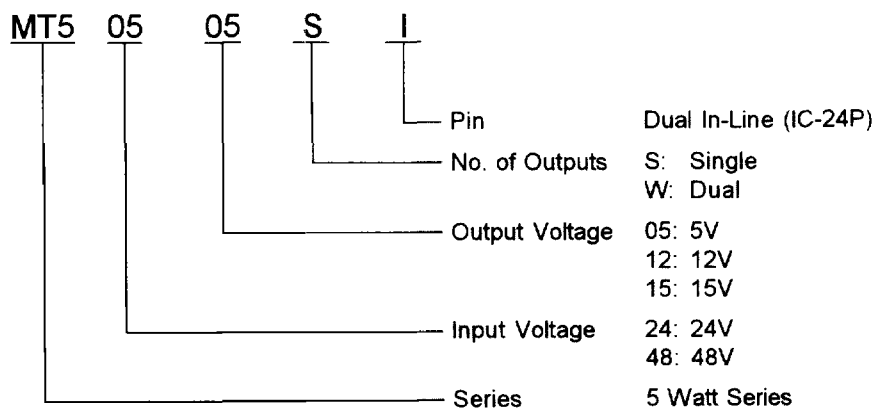
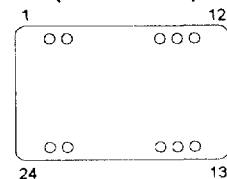
MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT*	EFFICIENCY
MT5-2405SI MT5-2412SI MT5-2412WI MT5-2415WI	24 VDC (18 ~ 36V)	5.1VDC 12VDC ±12VDC ±15VDC	1000mA 500mA 250mA 200mA	14mA 16mA 22mA 24mA	83% 86% 85% 86%
MT5-4805S1 MT5-4812SI MT5-4812WI MT5-4815WI	48 VDC (36 ~ 72V)	5.1VDC 12VDC ±12VDC ±15VDC	1000mA 500mA 250mA 200mA	7mA 8mA 11mA 12mA	84% 87% 87% 87%

*At no load



SINGLE OUTPUT	
2, 3	INPUT -V
22, 23	INPUT +V
9, 10	NC
11, 15	NC
16	OUTPUT -V
14	OUTPUT +V

DUAL OUTPUT	
2, 3	INPUT -V
22, 23	INPUT +V
10, 15	NC
11	OUTPUT -V
14	OUTPUT +V
9, 16	OUTPUT COM

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