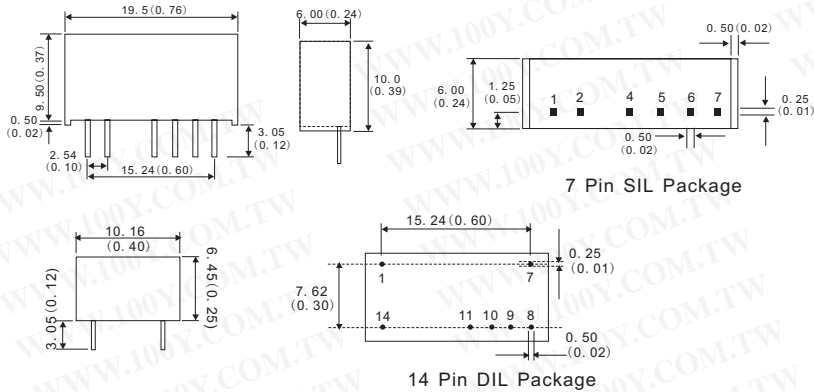




Power Supplies & UPS

MOTIEN_DC/DC Dual Output Power Converters

Detailed product specifications are available on: us.100y.com.tw



PIN NUMBER	SINGLE	DUAL	SINGLE -H	DUAL -H
1	+V Input	+V Input	+V Input	+V Input
2	-V Input	-V Input	-V Input	-V Input
4	-V output	-V output	N. P.	N. P.
5	N. P.	Common	-V output	-V output
6	+V output	+V output	N. P.	Common
7	N. P.	N. P.	+V output	+V output

PIN NUMBER	SINGLE	DUAL	SINGLE -H	DUAL -H
1	-V Input	-V Input	-V Input	-V Input
7	N. C.	N. C.	N. C.	N. C.
8	N. P.	Common	+V output	+V output
9	+V output	+V output	N. P.	Common
10	N. P.	N. P.	-V output	-V output
11	-V output	-V output	N. P.	N. P.
14	+V Input	+V Input	+V Input	+V Input

Part No.	Product No.	Manufacturer	Description	DCVout	Current	DCVout	Current	Watts	Efficiency %	DCVin
39977	V3-0505D	MOTIEN	DC/DC Dual Output Converter (=C&D_NMH 0505 D)	-5V	-200mA	+5V	+200mA	2W	73%	5V
39978	V3-0512D	MOTIEN	DC/DC Dual Output Converter (=C&D_NMH 0512 D)	-12V	-84mA	+12V	+84mA	2W	80%	5V
39979	V3-0515D	MOTIEN	DC/DC Dual Output Converter (=C&D_NMH 0515 D)	-15V	-67mA	+15V	+67mA	2W	82%	5V
39980	V3-1205D	MOTIEN	DC/DC Dual Output Converter (=C&D_NMH 1205 D)	-5V	-200mA	+5V	+200mA	2W	75%	12V
39982	V3-1212D	MOTIEN	DC/DC Dual Output Converter (=C&D_NMH 1212 D)	-12V	-83mA	+12V	+83mA	2W	83%	12V
39983	V3-1215D	MOTIEN	DC/DC Dual Output Converter (=C&D_NMH 1215 D)	-15V	-67mA	+15V	+67mA	2W	85%	12V

FEATURES:

- Regulated 24 pin DIL Package
- Low Ripple and Noise
- 1000 Vdc Isolation
- Up to 5200 Vdc Isolation
- Continuous Short Circuit Protection
- Mobile/Battery driven application
- Telecommunication Instruments
- Mixed Analog/Digital Subsystems

Input specifications:

Voltage range: $\pm 10\%$
 Filter: π (Pi) Network
Isolation specification
 Rated voltage: 1000 Vdc, standard
 5200 Vdc, Max.
 Resistance: 1000M Ω , Min
 Capacitance: 60 pF, Typ.

Output specifications:

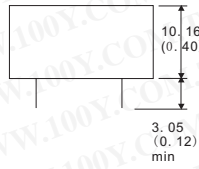
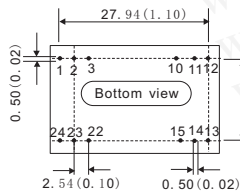
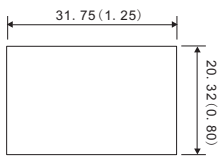
Ripple and Noise (at 20 Mhz BW) : 75mVp-p, Max.
 Short circuit protection: Continuous

Line voltage regulation: $\pm 0.5\%$, Max.
 Load voltage regulation: $\pm 0.5\%$, Max.
 Temperature coefficient: $\pm 0.02\%$ /°C

General specifications:

Efficiency: 68~80%
Environmental specification:
 Operating temperature (ambient) -25°C~+71°C
 Storage temperature: -20°C~+125°C

V5 Series



Pin #	STANDARD	3KVdc
1	+V Input	+V Input
2	-V output	+V Input
3	Common	Omitted
10	Common	Common
15	Common	+V Output
22	Common	Omitted
23	-V output	-V Input
24	+V Input	-V Input

Pin #	STANDARD	3KVdc
1	+V Input	+V Input
2	-V output	+V Input
3	Common	Omitted
10	Common	Common
11	+V output	Common
12	-V Input	Omitted
13	-V Input	-V output
14	+V output	Omitted

Part No.	Product No.	Manufacturer	Description	DCVout	Current	DCVout	Current	Watts	Efficiency %	DCVin
39766	V5-0512D2	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEM2-0521)	-12V	-83mA	+12V	+83mA	2W	70%	5V
39767	V5-0515D2	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEM2-0522)	-15V	-67mA	+15V	+67mA	2W	70%	5V
39768	V5-1212D2	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEM2-1221)	-12V	-83mA	+12V	+83mA	2W	78%	12V
39769	V5-1215D2	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEM2-1222)	-15V	-67mA	+15V	+67mA	2W	77%	12V
39765	V5-2412D2	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEM2-2412/TEM2-2421)	-12V	-83mA	+12V	+83mA	2W	80%	24V
39770	V5-2415D2	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEM2-2422)	-15V	-67mA	+15V	+67mA	2W	77%	24V



- 1500 Vdc Isolation
- Wide 2:1 Input range
- 24 Pin DIL Package
- Regulated
- Continuous Short circuit protection
- Nickel-coated copper metal
- MTBF > 1.1 Mhours



Input specifications:

Voltage range: 12Vdc, 9-18Vdc,
 24Vdc, 18-36Vdc
 48Vdc, 36-72Vdc

Filter: π (Pi) Network

Isolation specification

Rated voltage: 1500Vdc, standard
 Resistance: 1000M Ω , Min

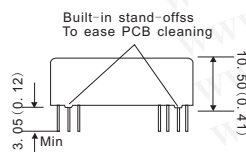
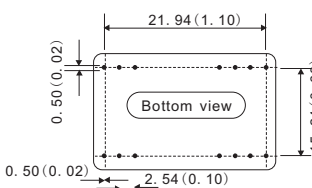
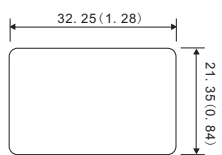
Capacitance: 390 pF, Type

Output specifications:

Voltage accuracy: $\pm 1\%$, Max

Environmental specification:

Operating temperature (ambient) :
 -40°C~+85°C



Pin #	STANDARD	3KVdc
1	+V Input	+V Input
2	N. C.	-V output
3	N. C.	Common
9	Omitted	Omitted
10	-V output	Common
11	+V output	+V output
12	-V Input	-V Input
13	-V Input	-V Input

Pin #	STANDARD	3KVdc
14	+V output	+V output
15	-V output	Common
16	Omitted	Omitted
22	N. C.	Common
23	N. C.	-V output
24	+V Input	+V Input

Part No.	Product No.	Manufacturer	Description	DCVout	Current	DCVout	Current	Watts	Efficiency %	DCVin
40032	V6-1212D3P	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEL3-1222)	-12V	-125mA	+12V	+125mA	3W	78%	9-18V



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 F A X : Taiwan: 886-3-5753172
 E-mail: Taiwan: sale@100y.com.tw

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 Shenzhen: 86-755-83640655
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