



Power Supplies & UPS

MOTIEN_DC/DC Single Output Power Converters

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



FEATURES:

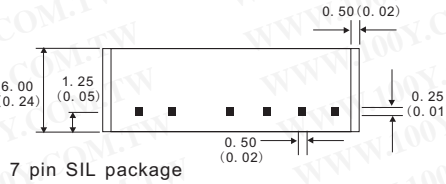
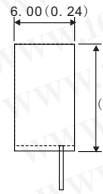
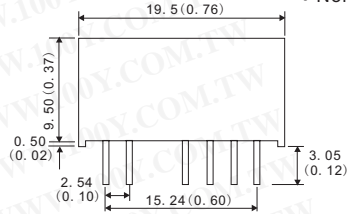
- 7 Pin SIL / 14 Pin DIL package
- 1000 VDC isolation
- Up to 6000 VDC Isolation
- Low ripple and noise
- Efficiency up to 85%
- -40~85°C operation temperature range
- Non-conductive black plastic case

Physical specifications

Case material: Non-conductive black plastic (UL94V-0 rated)
 Base material: Epoxy encapsulated (UL94V-0 rated)
 Weight: 2.7g
 Dimensions: SIP Case: 0.24" x 0.46" x 0.38"
 DIP Case: 0.50" x 0.40" x 0.27"

Environment specifications

Operating temperature: -40°C~85°C
 Storage temperature: -40°C~125°C



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 input	+V input	N. P.	Common
7	N. P.	N. P.	+V input	+V input

Part No.	Product No.	Manufacturer	Description	DCVout	Current	Watts	Efficiency %	DCVin
39918	V1-0505S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 0505 S)	5.0V	200mA	1W	78%	5V
40903	V1-0505SS	MOTIEN	DC/DC Single Output Converter	5V	200mA	1W	78%	5V
39957	V1-0505SSH	MOTIEN	DC/DC Single Output Converter (=C&D_NMV 0505SA)	5V	200mA	1W	78%	5V
39938	V1-0512S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 0512 S)	12.0V	83.3mA	1W	76%	5V
39959	V1-0512SSH	MOTIEN	DC/DC Single Output Converter (=C&D_NMV 0512SA)	12V	83.3mA	1W	76%	5V
39939	V1-0515S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 0515 S)	15.0V	66.7mA	1W	76%	5V
39960	V1-0515SSH	MOTIEN	DC/DC Single Output Converter (=C&D_NMV 0515SA)	15V	66.7mA	1W	76%	5V
39940	V1-1205S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 1205 S)	5.0V	200mA	1W	74%	12V
39941	V1-1212S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 1212 S)	12.0V	83.3mA	1W	77%	12V
39961	V1-1212SSH	MOTIEN	DC/DC Single Output Converter (=C&D_NMV1212SA)	12V	83.3mA	1W	77%	12V
39942	V1-1215S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 1215 S)	15.0V	66.7mA	1W	78%	12V
39943	V1-2405S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 2405 S)	5.0V	200mA	1W	77%	24V
39944	V1-2412S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 2412 S)	12.0V	83.3mA	1W	78%	24V
39945	V1-2415S	MOTIEN	DC/DC Single Output Converter (=C&D_NMA 2415 S)	15.0V	66.7mA	1W	78%	24V



- 7 Pin SIL // 14 Pin DIL Package
- Low Ripple and Noise
- 1000 Vdc Isolation
- Up to 5200 Vdc Isolation
- Mobile Application
- Portable Equipments
- Local Area Network Circuits
- Telecommunication Instruments

Input specifications:

Voltage range: 10% Filter: Capacitors
 Isolation specification
 Rated voltage: 1000Vdc, standard
 Resistance: 1000M Ω, Min



Part No.	Product No.	Manufacturer	Description	DCVout	Current	Watts	Efficiency %	DCVin
39969	V3-0505SS	MOTIEN	DC/DC Single Output Converter (=C&D_NMH 0505S)	5V	400mA	2W	79%	5V
39972	V3-0512SS	MOTIEN	DC/DC Single Output Converter (=C&D_NMH 0512S)	12V	167mA	2W	84%	5V
39973	V3-0515SS	MOTIEN	DC/DC Single Output Converter (=C&D_NMH 0515S)	15V	133mA	2W	84%	5V
39974	V3-1205SS	MOTIEN	DC/DC Single Output Converter (=C&D_NMH 1205S)	5V	400mA	2W	79%	12V
39975	V3-1212SS	MOTIEN	DC/DC Single Output Converter (=C&D_NMH 1212S)	12V	167mA	2W	86%	12V
39976	V3-1215SS	MOTIEN	DC/DC Single Output Converter (=C&D_NMH 1215S)	15V	133mA	2W	85%	12V



- 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: 10% Filter: Capacitors
 Isolation specification
 Rated voltage: 1000Vdc, standard
 Resistance: 1000M Ω, Min

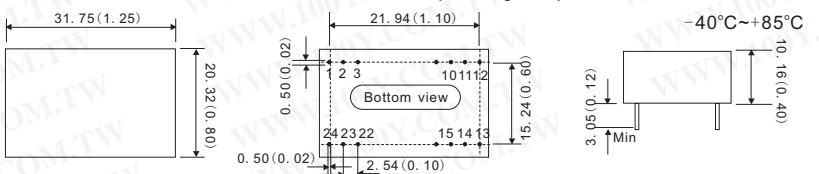
Capacitance: 60 pF, Type

Output specifications:

Voltage accuracy: ±3%, Max

Environmental specification:

Operating temperature (ambient) :



Part No.	Product No.	Manufacturer	Description	DCVout	Current	Watts	Efficiency %	DCVin
39760	V5-0505S2	MOTIEN	DC/DC Single Output Converter (=TRACO_TEM2-0511)	5V	0.4A	2W	68%	5V
39761	V5-0512S2	MOTIEN	DC/DC Single Output Converter (=TRACO_TEM2-0512)	12V	0.167A	2W	68%	5V
39762	V5-1205S2	MOTIEN	DC/DC Single Output Converter (=TRACO_TEM2-1211)	5V	400mA	2W	66%	12V



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