



# Power Supplies & UPS

## MOTIEN\_DC/DC Dual Output Power Converters

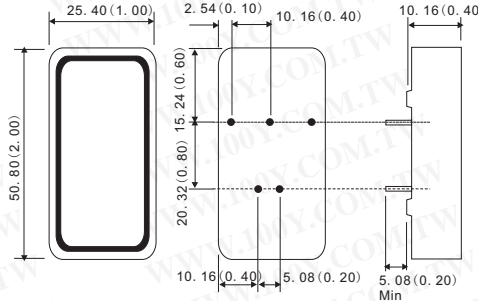
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	DCVout	Current	DCVout	Current	Watts	Efficiency %	DCVin
40033	V6-1215D3P	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEL3-1223)	-15V	-100mA	+15V	+100mA	3W	78%	9-18V
40035	V6-2412D3P	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEL3-2422)	-12V	-125mA	+12V	+125mA	3W	80%	18-36V
40036	V6-2415D3P	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEL3-2423)	-15V	-100mA	+15V	+100mA	3W	80%	18-36V



### FEATURES

- Wide 2:1 Input Range
- Full SMD Technology
- 1500 Vdc Isolation
- Continuous Short Circuit Protection
- Efficiency up to 90%
- -40~85°C Operation temperature Range



### Physical specifications

Case material: Nickel-coated Copper  
 Base material: Epoxy encapsulated (UL94V-0 rated)  
 Weight: 30.0g  
 Dimensions: 2.00" x 1.00" x 0.40"  
**General specification**  
 Safety standard: IEC 60950-1:2001  
**Environment specifications**  
 Operating temperature: -40°C~85°C

Part No.	Product No.	Manufacturer	Description	DCVout	Current	DCVout	Current	Watts	Efficiency %	DCVin
39844	V7-1205D10	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 10-1221)	-5.0V	-1000mA	+5.0V	+1000mA	10W	83%	9-18V
39845	V7-1212D10	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 10-1222)	-12.0V	-416mA	+12.0V	+416mA	10W	85%	9-18V
39856	V7-1212D15	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 15-1222)	-12.0V	-625mA	+12.0V	+625mA	15W	85%	9-18V
39879	V7-1212D30L	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 25-1222)	-12.0V	-1250mA	+12.0V	+1250mA	30W	88%	9-18V
39846	V7-1215D10	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 10-1223)	-15.0V	-333mA	+15.0V	+333mA	10W	85%	9-18V
39858	V7-1215D15	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 15-1223)	-15.0V	-500mA	+15.0V	+500mA	15W	85%	9-18V
39881	V7-1215D30L	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 25-1223)	-15.0V	-1000mA	+15.0V	+1000mA	30W	88%	9-18V
39847	V7-2405D10	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 10-2421)	-5.0V	-1000mA	+5.0V	+1000mA	10W	84%	18-36V
39849	V7-2412D10	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 10-2422)	-12.0V	-416mA	+12.0V	+416mA	10W	85%	18-36V
39859	V7-2412D15	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 15-2422)	-12.0V	-625mA	+12.0V	+625mA	15W	86%	18-36V
39882	V7-2412D30L	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 25-2422)	-12.0V	-1250mA	+12.0V	+1250mA	30W	88%	18-36V
39850	V7-2415D10	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 10-2423)	-15.0V	-333mA	+15.0V	+333mA	10W	86%	18-36V
39860	V7-2415D15	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 15-2423)	-15.0V	-500mA	+15.0V	+500mA	10W	87%	18-36V
39883	V7-2415D30L	MOTIEN	DC/DC Dual Output Converter (=TRACO_TEN 25-2423)	-15.0V	-1000mA	+15.0V	+1000mA	30W	88%	18-36V



- 8 Pin DIL Package
- Low Ripple and Noise
- 1000 Vdc Isolation
- Unregulated
- Non-conductive black plastic case
- MTBF > 2 Mhours

### Output specifications

Voltage accuracy: ±3% Max.  
 Ripple & Noise (at 20 Mhz BW) : 100mVp-p. Max.

### Input specifications

Voltage range: ±10%

### General specifications

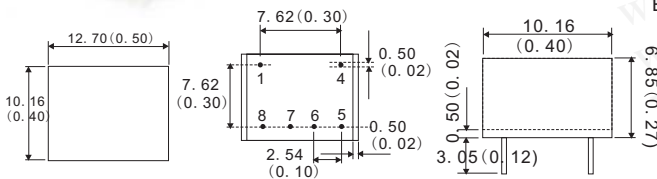
Efficiency: 72%~82%

### Environment specifications

Operating temperature: -40°C~85°C



Pin	STANDARD
#	Dual separate
1	-V Input
4	+V Input
5	+V1 output
6	-V1 output
7	+V2 output
8	-V2 output



Part No.	Product No.	Manufacturer	Description	DCVout	Current	DCVout	Current	Watts	Efficiency %	DCVin
39911	VA-0505D1	MOTIEN	DC/DC Dual Output Converter (=C&D_NME 0505 D)	-5.5V	-100mA	+5.5V	+100mA	1W	80%	5V
39912	VA-0515D1	MOTIEN	DC/DC Dual Output Converter (=C&D_NME 0515 D)	-15.15V	-34.14mA	+15.15V	+34.14mA	1W	80%	5V
39913	VA-1205D1	MOTIEN	DC/DC Dual Output Converter (=C&D_NME 1205 D)	-5.0V	-100mA	+5.0V	+100mA	1W	74%	12V
39914	VA-1212D1	MOTIEN	DC/DC Dual Output Converter (=C&D_NME 1212 D)	-12.0V	-50mA	+12.0V	+50mA	1W	82%	12V
39916	VA-1215D1	MOTIEN	DC/DC Dual Output Converter (=C&D_NME 1215 D)	-15.0V	-34mA	+15.0V	+34mA	1W	80%	12V



- Wide 2:1 Input Range
- Full SMD Technology
- 1500 Vdc Isolation up to 3500 Vdc Isolation
- Continuous Short Circuit Protection
- Efficiency up to 85%
- -40~85°C Operation temperature range

### Output specifications

Voltage accuracy: ±1%  
 Ripple & Noise (20 Mhz band width) : 60mV pk-pk

### Physical specifications

Weight: 17.0g  
 Dimensions: 1.28" x 0.84" x 0.41"  
 1.25" x 0.8" x 0.4" (plastic case)

### General specifications

Safety standard: IEC 60950-1:2001  
**Environment specifications**  
 Operating temperature: -40°C~85°C



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