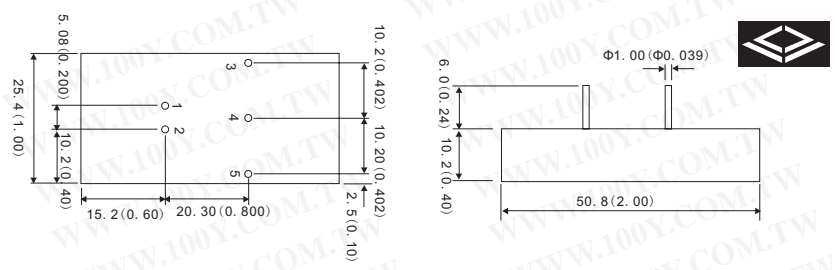


Power Supplies & UPS

DC/DC Single Output Power Converters

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



Pin	Single output	Dual output
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No Pin	Common
5	-Vout	-Vout
6	Remote on/off	Remote on/off

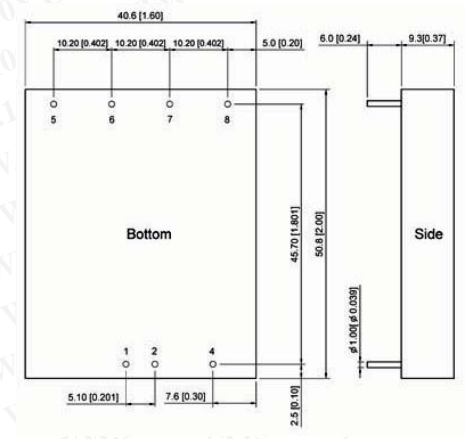
Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
18396	MKW3032	MINMAX	2:1 Wide Input Range DC/DC Converters	5VDC	24VDC	240-400mA	20W	85%
18381	MKW3033	MINMAX	DC to DC Single Output Power Converters	12VDC	24V	100-1670mA	20W	89%



- FEATURES:**
- Very High Efficiency up to 89%
 - Low Profile : 9.3mm
 - 2:1 Input Range
 - I/O Isolation 1500VDC
 - Output Trim Function
 - Remote on/off Control
 - Soft Start
 - Short Circuit Protection
 - Thermal Shutdown
 - Over Voltage Protection
 - Six-Side Shielded Case
 - EMI Complies With EN55022 Class A
 - MTBF > 1,000,000 Hours

SPECIFICATIONS:
 Operating temperature: Ambient: -40°C~+50°C Case: -40°C~+105°C
 Storage temperature: -50°C~+125°C
 Output short circuit: Continuous
 Load regulation: Io=10% to 100% Typ. ±0.1% Max. ±0.5%
 Ripple & Noise (20MHz): Max: 10mV rms.

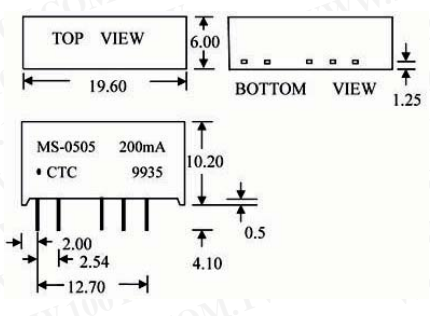
Pin	Single output	Dual output
1	+Vin	+Vin
2	-Vin	-Vin
4	Remote on/off	Remote on/off
5	No Pin	+Vout
6	+Vout	Common
7	-Vout	-Vout
8	Trim	Trim



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
18395	MPW1032	MINMAX	DC/DC Converters	5VDC	24VDC	350-5000mA	25-30W	85%



- SPECIFICATIONS:**
- Input voltage range.....±10%
 - Input filter.....Capacitor.
 - Output voltage accuracy.....± 5%
 - Line voltage regulation.....1.2%Typ./1%Of Vin
 - Load voltage regulation (10% ~ 100%)- 5V Output Types.....15% Max.
 - 9V,12V and 15V Output Types.....10% Max.
 - Ripple&noise/20MHZ BW.....100mV P-P Max.
 - Isolation voltage.....1000Vdc Min.
 - Short circuit protection.....1.0 Second
 - Operating temperature range.....-40°C to 85°C
 - Storage temperature range.....-55°C to 125°C
 - Isolation capacity.....75pF Typ.
 - Package weight.....2.2g



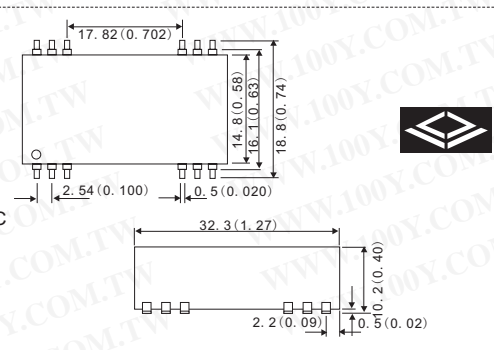
Pin no.	Function
1	+VIN
2	-VIN
4	NC
5	-VOUT
6	+VOUT

Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
37095	MS-0505	CTC	DC to DC 1W Single Output Converters	5	1.8,3,3.5,9,12,15,24Vin	200mA	1W	70%



- FEATURES:**
- High Efficiency up to 83%
 - 2:1 Input Range
 - I/O Isolation 1500VDC
 - SMT Technology
 - Short Circuit Protection
 - MTBF > 1,000,000 Hours

MSIW1000 Series
SPECIFICATIONS:
 Operating temperature: Ambient: -40°C~+71°C Case: -40°C~+90°C
 Storage temperature: -40°C~+125°C
 Output short circuit: Continuous
 Load regulation: Io=10% to 100% Typ. ±0.3% Max. ±1.0%
 Ripple & Noise (20MHz): Max: 10mV rms.



Pin	Single output	Dual output
1	-Vin	-Vin
2	-Vin	-Vin
3	NC	NC
10	NC	Common
11	NC	NC
12	NC	-Vout
13	+Vout	+Vout
14	NC	NC
15	-Vout	Common
22	NC	NC
23	+Vin	+Vin
24	+Vin	+Vin

Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
21412	MSIW1021	MINMAX	2:1 Wide Input Range DC/DC Converters	3.3VDC	12VDC(9~18Vin)	70~700mA	3W	75%



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