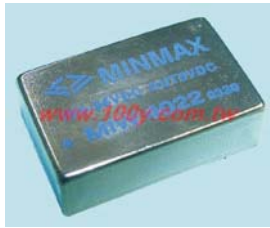


Power Supplies & UPS

DC/DC Single Output Power Converters

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



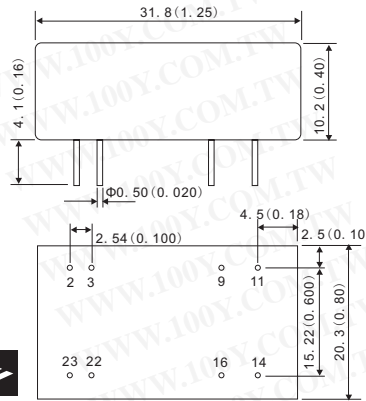
MIW4000 Series

SPECIFICATIONS:

Operating temperature: Ambient: -25°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: 15mV rms.

FEATURES:

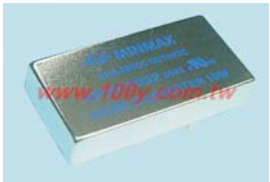
- High Efficiency up to 86%
- High Power Density
- 4:1 Input Range
- I/O Isolation 1500VDC
- Industry Standard Pinout
- SMT Technology
- Short Circuit Protection
- EMI Complies With EN55022 Class A
- MTBF > 1,000,000 Hours



Pin	Single output	Dual output
2	-Vin	-Vin
3	-Vin	-Vin
9	No Pin	Common
11	NC	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin	+Vin
23	+Vin	+Vin



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
18397	MIW4022	MINMAX	4:1 Wide Input Range DC/DC Converters	5VDC	24VDC	100-1000mA	5-6W	81%
30307	MIW4027	MINMAX	4:1 Wide Input Range DC/DC Converters	±15VDC	24VDC	±20~±200mA	5-6W	85%
41355	MIW4032	MINMAX	Wide Input Range DC/DC Converters	48VDC	48VDC	100-1000mA	5-6W	81%
41356	MIW4037	MINMAX	Wide Input Range DC/DC Converters	48	48	+ 10mA	5-6W	85%



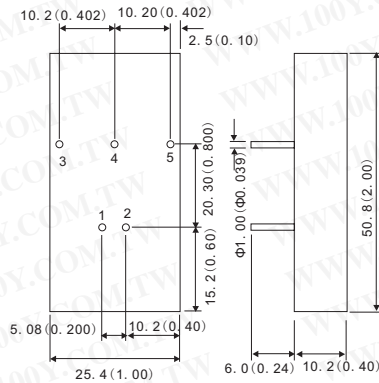
MKW1000 Series

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. ±0.1% Max. ±0.5%
 Ripple & Noise (20MHz): Max: 15mV rms.

FEATURES:

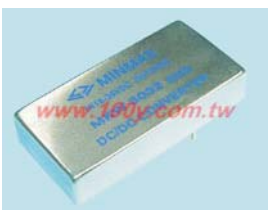
- High Efficiency up to 83%
- 2:1 Input Range
- I/O Isolation 1500VDC
- SMT Technology
- Short Circuit Protection
- Industry Standard Pinout
- EMI Complies With EN55022 Class A
- Six-Side Shielded Case
- MTBF > 700,000 Hours



Pin	Single output	Dual output
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No Pin	Common
5	-Vout	-Vout



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
21390	MKW1021	MINMAX	2:1 Wide Input Range DC/DC Converters	3.3VDC	12VDC(9~18Vin)	120~2400mA	10W	72%
21391	MKW1022	MINMAX	2:1 Wide Input Range DC/DC Converters	5VDC	12VDC(9~18Vin)	100~2000mA	10W	77%
21392	MKW1023	MINMAX	2:1 Wide Input Range DC/DC Converters	12VDC	12VDC(9~18Vin)	42~830mA	10W	80%
21393	MKW1024	MINMAX	2:1 Wide Input Range DC/DC Converters	15VDC	12VDC(9~18Vin)	34~670mA	10W	80%
21395	MKW1025	MINMAX	2:1 Wide Input Range DC/DC Converters	24VDC	12VDC(9~18Vin)	21~416mA	10W	81%
21399	MKW1031	MINMAX	2:1 Wide Input Range DC/DC Converters	3.3VDC	24VDC(18~36Vin)	120~2400mA	10W	76%
18401	MKW1032	MINMAX	2:1 Wide Input Range DC/DC Converters	5VDC	24VDC	100~2000mA	10W	78%
20123	MKW1033	MINMAX	2:1 Wide Input Range DC/DC Converters	12VDC	24VDC(18~36Vin)	42~830mA	10W	82%
21401	MKW1034	MINMAX	2:1 Wide Input Range DC/DC Converters	15VDC	24VDC(18~36Vin)	34~670mA	10W	82%
21402	MKW1035	MINMAX	2:1 Wide Input Range DC/DC Converters	24VDC	24VDC(18~36Vin)	21~416mA	10W	83%
21405	MKW1041	MINMAX	2:1 Wide Input Range DC/DC Converters	3.3VDC	48VDC(36~75Vin)	120~2400mA	10W	76%
21406	MKW1042	MINMAX	2:1 Wide Input Range DC/DC Converters	5VDC	48VDC(36~75Vin)	100~2000mA	10W	80%
21407	MKW1043	MINMAX	2:1 Wide Input Range DC/DC Converters	12VDC	48VDC(36~75Vin)	42~830mA	10W	82%
21408	MKW1044	MINMAX	2:1 Wide Input Range DC/DC Converters	15VDC	48VDC(36~75Vin)	34~670mA	10W	83%
21409	MKW1045	MINMAX	2:1 Wide Input Range DC/DC Converters	24VDC	48VDC(36~75Vin)	21~416mA	10W	83%



FEATURES:

- Very High Efficiency up to 89%
- 2:1 Input Range
- I/O Isolation 1500VDC
- Remote on/off Control
- Soft Start
- Short Circuit Protected
- Over Voltage Protection
- Industry Standard Pinout
- Six-Side Shielded Case
- EMI Complies With EN55022 Class A
- MTBF > 800,000 Hours

SPECIFICATIONS:

Operating temperature: Ambient: -40°C~+50°C
 Case: -40°C~+105°C
 Storage temperature: -40°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.

