



# Power Supplies & UPS

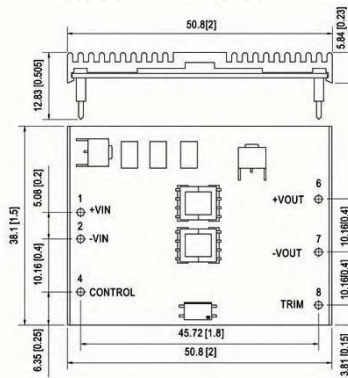
## DC/DC Single Output Power Converters

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



**FEATURES:**

- Wide 4:1 DC input range
- In/out capacitance 1000pF
- Protections: Short circuit/Over load/Over voltage
- 500~1500VDC I/O isolation for D/D
- Built-in EMI filter
- Cooling by free air convection
- Built-in remote ON-OFF control
- 100% full load burn-in test
- Fixed switching frequency at 450KHz
- Lost cost
- High reliability
- 2 years warranty



Pin no.	Assignment
1	+VIN
2	-VIN
3, 5	No. Pin
4	Control
6	+VOUT
7	-VOUT
8	TRIM

OUTPUT LINE REGULATION: ±1.0% at 10% ~ 100% load

LOAD REGULATION: ±1.0% at 10% ~ 100% load

INPUT DC CURRENT: 1.8A/12VDC

SHUTDOWN IDLE CURRENT: 15mA

WORKING TEMP.: -25 ~ +71°C

STORAGE TEMP., HUMIDITY: -40 ~ +125°C, 0 ~ 95% RH

TEMP. COEFFICIENT: ±0.03%/°C(0~50°C)

SAFETY STANDARDS: Design refer to UL1950, TUV En60950

PACKING: 0.025Kg; 180pcs/4.5Kg/0.97CUFT

Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
29976	ASD15H-12S5	MEAN WELL	MEAN WELL_15W DC-DC Regulated Single Output	5V	9.2-36V	300mA	15W	76%



**FEATURES:**

- 7.5W Isolated Output
- 24-Pin DIP Package
- 2:1 Input Range
- Efficiency
- Regulated Outputs
- Pi Input Filter
- Continuous Short Circuit Protection

Voltage Accuracy: ±2% max.

Temperature Coefficient: ±0.05%/°C

Ripple & Noise (20MHz BW): (5V).....75mVp-p max.  
(12/15V).....100mVp-p max.

Short Circuit Protection: Continuous

Line Regulation: Single / Dual.....(HL-LL).....±0.2% max.

Load Regulation: Single.....(FL-10%FL).....±0.5% max.

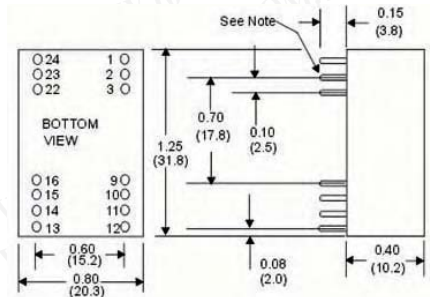
Dual.....(FL-25%FL).....±1.0% max.

Operating Temperature Range: -25 TO +71°C

Storage Temperature Range: -40 To +100°C



Pin connections 1.5K VDC					
Pin#	Single Output	Dual Output	Pin#	Single Output	Dual Output
1	NP	NP	13	NP	NP
2	-V Input	-V Input	14	+V Output	+V Output
3	-V Input	-V Input	15	NC	NC
5	NP	NP	16	-V Output	Common
9	NC	Common	22	+V Input	+V Input
10	NC	NC	23	+V Input	+V Input
11	NC	-V Output	24	NP	NP
12	NP	NP			



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
23927	EA7.5-23	FranMar	EA7.5 Series DC/DC Converters	15Vdc	18-36Vdc	500mA	7.5W	82%

**BENEFITS:**

- Eliminates Ground Loops with 1800 VDC Input-to-Output Isolation
- Easy Field Configurable Input Ranges: 10mV to 100V, 1mA to 100mA
- Field Configurable Output Ranges: 0-5V, 0-10V, 0-1mA, 0-20mA, 4-20mA, or ±5V, ±10V
- Ultra Slim 12.6mm Housing Mounts on DinRail for High-Density Installations
- Flexible Power Supply Accepts 9 to 30VDC
- ASIC Technology for High Reliability
- Lifetime Warranty

**SPECIFICATIONS**

Input: Voltage Input: Range Limits: 10mV to 100V  
Impedance: >100KΩ Overvoltage: 400 Vrms, max. (Intermittent); 264 Vrms, max. (Continuous)

Current Input: Range Limits: 1mA to 100mA  
Impedance: 20, typical  
Overcurrent: 170mA RMS, max.  
Overvoltage: 60VDC

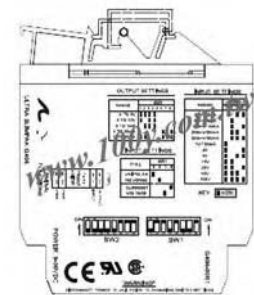
LED Indication (green): Input Range: >110%(approx) input: 8Hz flash  
<-10%(approx) input: 4Hz flash

EMC Compliance (CE Mark): Emissions: EN50081-1  
Immunity: EN50082-2  
Safety: EN50178

Temperature Range 1: Operating: 0 to 55°C (32 to 131°F)  
Storage: -25 to 70°C (-13 to 158°F)

Power: Consumption: 1.5W typical, 2.5W max.  
Range: 9 to 30VDC

Weight: 0.5 lbs.



Part No.	Product No.	Description	DCVout	DCVin	Current	Efficiency %
44395	G408-0001	DC Input Field Configurable Isolator	200MV	20MV	20MA	50%



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