

### Features

- 30W isolated output
- Efficiency to 84%
- 200KHz switching frequency
- 2:1 input range
- Six sided shield
- Remote ON/OFF control



Model Number	Input Voltage	Output Voltage	Output Current	Input Current		Efficiency
				No Load	Full Load	
VED30-D12-S5	9-18VDC	5VDC	5000mA	30mA	2700mA	77%
VED30-D12-S12	9-18VDC	12VDC	2500mA	30mA	3150mA	79%
VED30-D12-S15	9-18VDC	15VDC	2000mA	30mA	3150mA	79%
VED30-D12-D12	9-18VDC	±12VDC	±1250mA	35mA	3100mA	81%
VED30-D12-D15	9-18VDC	±15VDC	±1000mA	35mA	3100mA	81%
VED30-D12-T512	9-18VDC	5/±12VDC	3000/±625mA	35mA	3200mA	78%
VED30-D12-T515	9-18VDC	5/±15VDC	3000/±500mA	35mA	3200mA	78%
VED30-D12-T5125	9-18VDC	+5/+12/-5VDC	3000/600/1000mA	35mA	2940mA	77%
VED30-D24-S5	18-36VDC	5VDC	5000mA	30mA	1350mA	77%
VED30-D24-S12	18-36VDC	12VDC	2500mA	30mA	1550mA	81%
VED30-D24-S15	18-36VDC	15VDC	2000mA	30mA	1550mA	81%
VED30-D24-D12	18-36VDC	±12VDC	±1250mA	30mA	1500mA	84%
VED30-D24-D15	18-36VDC	±15VDC	±1000mA	30mA	1500mA	84%
VED30-D24-T512	18-36VDC	5/±12VDC	3000/±625mA	30mA	1580mA	79%
VED30-D24-T515	18-36VDC	5/±15VDC	3000/±500mA	30mA	1560mA	80%
VED30-D24-T5125	18-36VDC	+5/+12/-5VDC	3000/600/1000mA	30mA	1450mA	78%
VED30-D48-S5	36-72VDC	5VDC	5000mA	15mA	670mA	78%
VED30-D48-S12	36-72VDC	12VDC	2500mA	15mA	770mA	81%
VED30-D48-S15	36-72VDC	15VDC	2000mA	15mA	770mA	81%
VED30-D48-D12	36-72VDC	±12VDC	±1250mA	20mA	750mA	84%
VED30-D48-D15	36-72VDC	±15VDC	±1000mA	20mA	750mA	84%
VED30-D48-T512	36-72VDC	5/±12VDC	3000/±625mA	20mA	790mA	79%
VED30-D48-T515	36-72VDC	5/±15VDC	3000/±500mA	20mA	780mA	80%
VED30-D48-T5125	36-72VDC	+5/+12/-5VDC	3000/600/1000mA	20mA	725mA	78%



### Input

Input Voltage Range	12V: 9-18V
	24V: 18-36V
	48V: 36-72V
Input Filter	Pi Type

### Output

Voltage Accuracy	Single Output	±1.0% max.
	Dual +Output	±1.0% max.
	-Output	±3.0% max.
	Triple, 5V	±1.0% max.
	12V/15V	±5.0% max.
	-5V	±2.0% max.
Voltage Balance (Dual)		±1.0% max
Transient Response: Single, 25% Step Load Change		<500µ sec.
	Dual, FL-1/2±1% Error Band	<500µ sec.
External Trim Adj. Range		±10%
Ripple & Noise	20MHz BW	10mV RMS., max
		75mV p-p, max
Temperature Coefficient		±0.02%/°C
Short Circuit Protection		Continuous
Line Regulation <sup>1</sup>	Single/Dual	±0.2% max.
	Triple	±1.0% max.
Load Regulation <sup>2</sup>	Single/Dual	±1.0% max.
	Triple	±5.0% max.

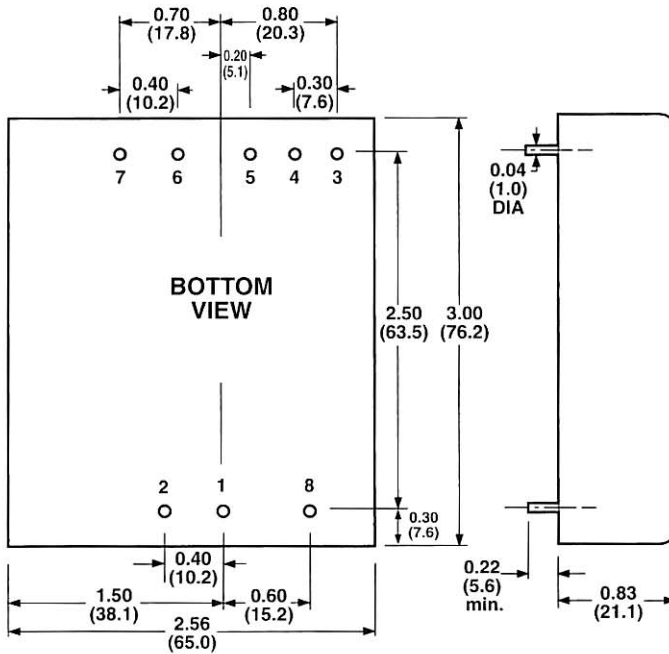
### General Specifications

Efficiency	see table
Isolation Voltage	500VDC min.
Isolation Resistance	10 <sup>9</sup> Ohm min.
Switching Frequency	200KHz, Type
Operating Temperature Range	25°C to +71°C
Case Temperature	100°C max.
Storage Temperature	55°C to +105°C
Cooling	Free air convection
EMI/RFI	Six Sided Continuous Shield
Dimensions	2.56x3.0x0.83 inches (65x76.2x21.1mm)
Case Material	Black coated copper with non-conductive base

#### NOTES:

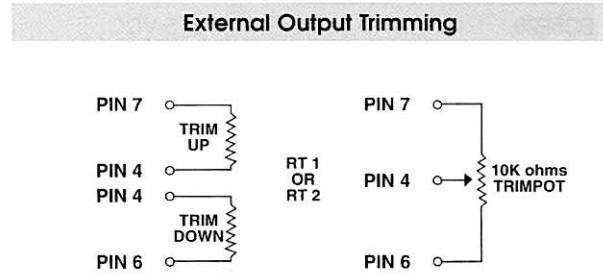
1. Measured from high line to low line
2. Measured from full load to 1/4 load

All Dimensions In Inches(mm)  
Tolerance .xx= ±.04, .xxx= ±.010



PIN CONNECTION			
Pin	Single Output	Dual Output	Triple Output
1.	+Input	+Input	+Input
2.	-Input	-Input	-Input
3.	No Pin	+Output	+Output
4.	Output Trim	Common	Common
5.	No Pin	-Output	-Output
6.	+Output	No Pin	+5V Output
7.	-Output	No Pin	No Pin
8.	Remote On/Off Control		

Remote On/Off Control	
Logic Compatibility	CMOS or Open Collector TTL
EC-On	>+5.5VDC or Open Circuit
EC-Off	<1.8 VDC
Shutdown Idle Current	10 mA
Control Common	Referenced to Input Minus



Output ( Pin No.)	Voltage	Amperes	
		Min.(2)	Nom.
6	+5	0.25	1.5
3 & 5	+12 & -12	0.10	0.31
3 & 5	+15 & -15	0.10	0.25
3 & 5	+12 & -5	0.10/0.10	0.31/0.50

**NOTE:**

- Maximum total power from all outputs is limited to 15 watts but no output should be allowed to exceed its maximum current.
- Minimum current on each output is required to maintain specified regulation.

All Specifications Typical At Nominal Line, Full Load and 25 °C Unless Otherwise Noted.

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