

Features

- 15W 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		Effic.	Case
				No Load	Full Load		
VED15-D12-S5	9-18VDC	5VDC	3000mA	20mA	1700mA	77%	E
VED15-D12-S12	9-18VDC	12VDC	1250mA	20mA	1600mA	78%	E
VED15-D12-S15	9-18VDC	15VDC	1000mA	20mA	1600mA	78%	E
VED15-D12-D12	9-18VDC	±12VDC	±625mA	35mA	1520mA	82%	E
VED15-D12-D15	9-18VDC	±15VDC	±500mA	35mA	1520mA	82%	E
VED15-D12-T512	9-18VDC	5/±12VDC	1500/±310mA	30mA	1600mA	78%	E
VED15-D12-T515	9-18VDC	5/±15VDC	1500/±250mA	30mA	1600mA	78%	E
VED15-D12-T5125	9-18VDC	+5/+12/-5VDC	1500/310/500mA	30mA	1470mA	78%	E
VED15-D24-S5	18-36VDC	5VDC	3000mA	25mA	810mA	77%	E
VED15-D24-S12	18-36VDC	12VDC	1250mA	25mA	780mA	80%	E
VED15-D24-S15	18-36VDC	15VDC	1000mA	25mA	780mA	80%	E
VED15-D24-D12	18-36VDC	±12VDC	±625mA	25mA	750mA	84%	E
VED15-D24-D15	18-36VDC	±15VDC	±500mA	25mA	750mA	84%	E
VED15-D24-T512	18-36VDC	5/±12VDC	1500/±310mA	25mA	780mA	80%	E
VED15-D24-T515	18-36VDC	5/±15VDC	1500/±250mA	25mA	780mA	80%	E
VED15-D24-T5125	18-36VDC	+5/+12/-5VDC	1500/310/500mA	25mA	715mA	80%	E
VED15-D48-S5	36-72VDC	5VDC	3000mA	10mA	410mA	77%	E
VED15-D48-S12	36-72VDC	12VDC	1250mA	10mA	390mA	80%	E
VED15-D48-S15	36-72VDC	15VDC	1000mA	10mA	390mA	80%	E
VED15-D48-D12	36-72VDC	±12VDC	±625mA	15mA	380mA	82%	E
VED15-D48-D15	36-72VDC	±15VDC	±500mA	15mA	380mA	82%	E
VED15-D48-T512	36-72VDC	5/±12VDC	1500/±310mA	15mA	380mA	82%	E
VED15-D48-T515	36-72VDC	5/±15VDC	1500/±250mA	15mA	380mA	82%	E
VED15-D48-T5125	36-72VDC	+5/+12/-5VDC	1500/310/500mA	15mA	350mA	82%	E

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

General Specifications

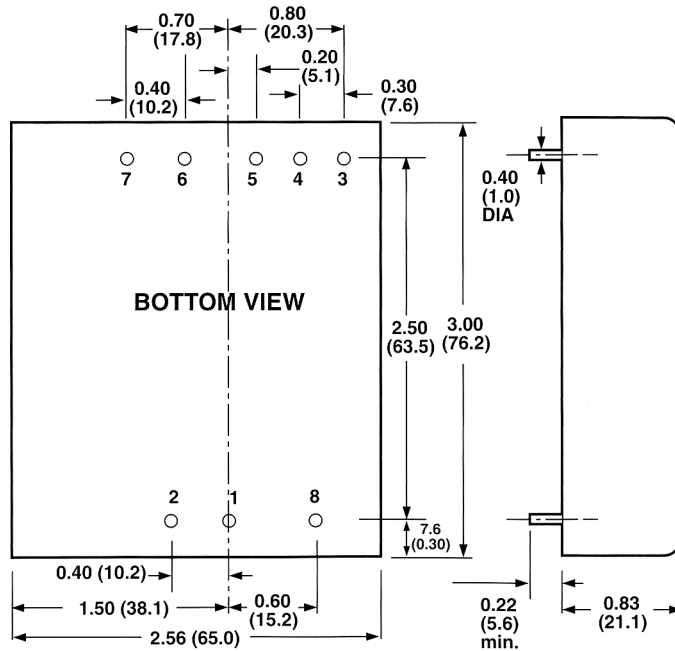
Efficiency	see table
Isolation Voltage	500VDC min.
Isolation Resistance	10 ⁷ Ohm min.
Switching Frequency	200KHz, Type
Operating Temperature Range	-25°C to +71°C
Case Temperature	100°C max.
Storage Temperature	-55°C to +105°C
Cooling	Free air convection
EMI/RFI	Six Sided Continuous Shield
Dimensions	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

Case E

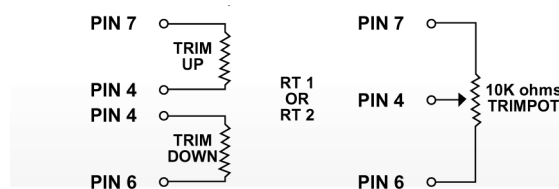
All Dimensions In Inches(mm)
Tolerance .xx= ±.04, .xxx= ±.010



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		

External Output Trimming

Output may optionally be externally trimmed (±10%) with a fixed resistor or an external trimpot as shown.



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
Input Resistance	100K ohms (Ein 0 VDC to 9 VDC)
Control Common	Referenced to Input Minus

Triple Output Loading Table

TRIPLE OUTPUT LOADING TABLE (1)			
Output (Pin No.)	Voltage	Amperes	
		Min.(2)	Nom.
6	+5	0.25	1.5
3 & 5	+12 or -12	0.10	0.31
3 & 5	+15 or -15	0.10	0.25
3 & 5	+12 & -5	0.10/0.10	0.31/0.50

NOTE:

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

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