

Features

-20W Non-Isolated Output -Efficiency to 88% -Constant frequency -Over Current Protection -Regulated outputs -Under Input Voltage Protection -Output Voltage Adjustment -Remote On/Off Control



Model	Input	Output	Output	I nput (Current		
Number	Voltage	Voltage	Current	No Load	Full Load	Effic.	Case
VBS20-S5-1R2	4.5-5.5VDC	1.2VDC	6A	40mA	1895mA	76%	В
VBS20-S5-2R1	4.5-5.5VDC	2.1VDC	6A	40mA	3000mA	84%	В
VBS20-S5-2R5	4.5-5.5VDC	2.5VDC	6A	40mA	3530mA	85%	В
VBS20-S5-3R3	4.5-5.5VDC	3.3VDC	6A	40mA	4500mA	88%	В

Input

Input Voltage Range	5V	4.5V-5.5V	
Input Filter Type		Capacitive	
Remote Shutdown		Positive Logic	

Output

Voltage Accuracy	±1% max.	
External Trim Adj. Range	±10%	
Ripple & Noise 20MHz BW,	75mV pk-pk., max	
Temperature Coefficient	±0.05%/°C	
Over Circuit Protection	Auto Recovery	
Line Regulation ¹	±0.5% max	
Load Regulation ²	±0.5% max	
Current Limit	120-150% Nominal Output	



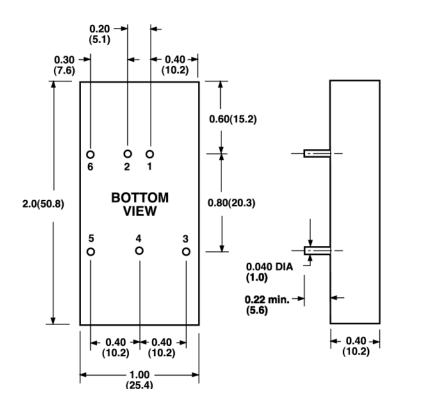
General Specifications

Efficiency	see table
Switching Frequency	200KHz, Type
Operating Temperature Range	-25°C to +71°C
Case Temperature	95°C max.
Storage Temperature	-40°C to +105°C
Dimensions	2.0x1.0x0.4 inches
	(50.8x25.4x10.2mm)
Case Material	Non-Conductive Black Plastic

NOTES:

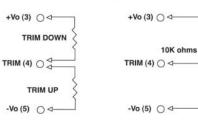
- 1. Measured from high line to low line
- 2. Measured from full load to 10% load
- 3. Specification apply to model and require on 470uF input capacitor
- 4. Logic compatpbility with open collectorTTL or CMOS.

Case B



	PIN CONNECTION
Pin	Function
1.	+Input
2.	-Input
3.	+Output
4.	Trim
5.	-Output
6.	Remote ON/OFF

External Output Trim



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