

**PART NUMBER:** VANS1R5 series

**DESCRIPTION:** DC/DC converter

**features**

- 24 pin DIP package
- efficiency to 80%
- unregulated outputs
- Pi input filter
- low ripple and noise



model number <sup>1, 2, 3</sup>	input voltage	output voltage	output current	input current		efficiency
				no load	full load	
VANS1R5-S5-S5	5VDC	5VDC	220mA	115mA	330mA	60%-80%
VANS1R5-S5-S12	5VDC	12VDC	125mA	115mA	420mA	60%-80%
VANS1R5-S5-S15	5VDC	15VDC	100mA	115mA	420mA	60%-80%
VANS1R5-S5-D12	5VDC	±12VDC	±62mA	115mA	420mA	60%-80%
VANS1R5-S5-D15	5VDC	±15VDC	±50mA	115mA	420mA	60%-80%
VANS1R5-S12-S5	12VDC	5VDC	220mA	45mA	120mA	60%-80%
VANS1R5-S12-S12	12VDC	12VDC	125mA	45mA	165mA	60%-80%
VANS1R5-S12-S15	12VDC	15VDC	100mA	45mA	165mA	60%-80%
VANS1R5-S12-D12	12VDC	±12VDC	±62mA	45mA	165mA	60%-80%
VANS1R5-S12-D15	12VDC	±15VDC	±50mA	45mA	165mA	60%-80%

**NOTES:**

1. suffix "HM" for 1.5K Vdc isolation
2. suffix "H" for 3K Vdc isolation
3. suffix "-SMT" for SMT case style

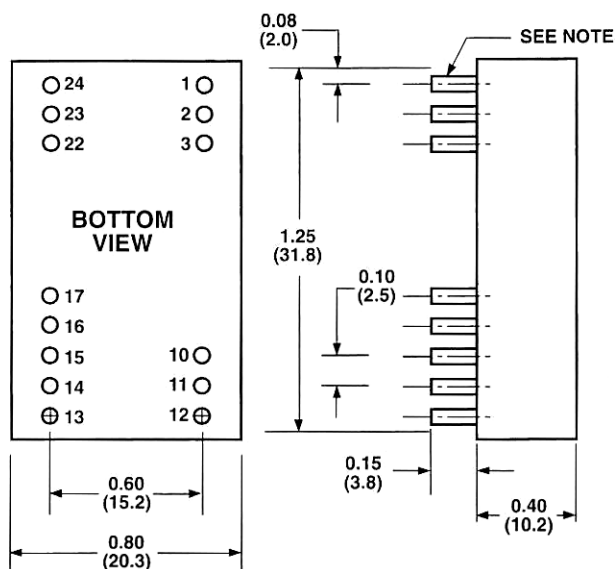


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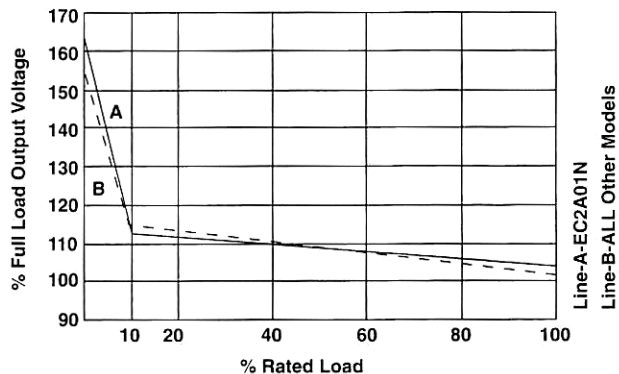
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## DIMENSIONS (mm)

NOTE: Pin Size is 0.02" Inch (0.5mm) DIA  
All Dimensions in Inches(mm)  
Tolerance .xx= ±.02, .xxx= ±.010



Typical Load Regulation



PIN CONNECTION

Pin	500 VDC		1.5K & 3K VDC	
	Single Output	Dual Output	Pin	Single Output / Dual Output
1	+V Input	+V Input	1 2,3	+V Input / +V Input
2	NC	-V Output	22,23,24	-V Input / -V Input
3	NC	Common	10 11	NP / Go Output
10	-V Output	Common	12	-V Output / -TP
11	+V Output	+V Output	13	+V Output / -V Output
12	-V Input	-V Input	14	NP / NP
13	-V Input	-V Input	15	NP / +V Output
14	+V Output	+V Output	16	NP / +TP
15	-V Output	Common	17	+TP / NP

\*NP-NO PIN

\*TP-TEST POINT

\*NC-NO CONNECTION WITH PIN

\*GO-GROUND

## DERATING CURVE

