



VA20-25 Series

20~25 瓦功率输出 (20~25 Watts of Output Power)
 宽电压输入 (Wide Input Range)
 高隔离电压 (3000Vac Isolation)
 小型化封装 (Small Package)

VA D 20 - 05V12 - NI

① ② ③ ④⑤⑥ ⑦⑧

- ① 系列号 (Series): VA
- ② 输出模式 (Output Mode): S: 单路 (Single); D: 双路 (Dual); T: 叁路 (Triple)
- ③ 输出功率 (Output Power): 20W、25W
- ④ 输出电压 Vo1 (Output Voltage Vo1): 5V
- ⑤ 输出电流范围 Vo2 (Vo2 Output Current Range): H=200mA、V>200mA
- ⑥ 输出电压 Vo2 (Output Voltage Vo2): 5V、12V、15V、24V
- ⑦ 输入电压 (Input Voltage): N: 165~265Vac、W: 85~265Vac
- ⑧ 输出模式 (Output Mode): I (Isolation)

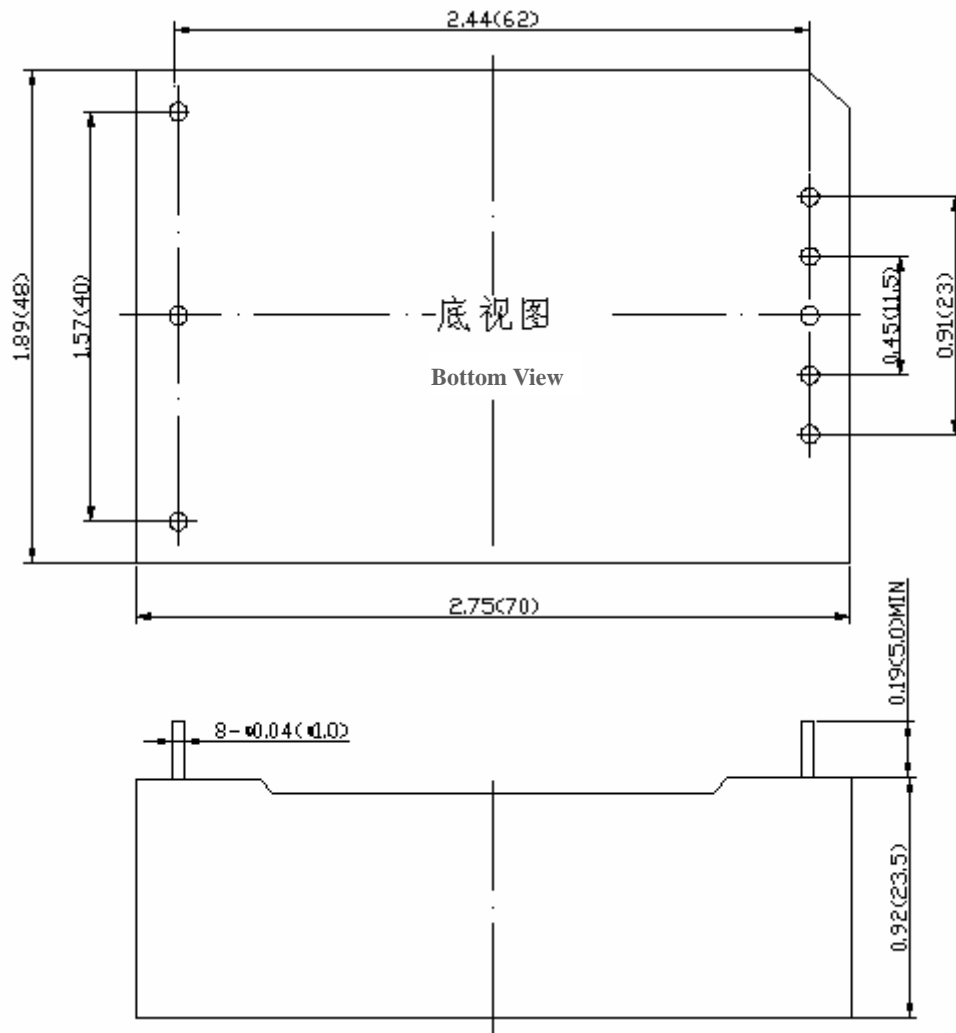
输入特性 Input	Min	Nom	Max	Notes
输入电压 Vac	165 (200Vdc)	220	265(400Vdc)	N
Input Voltage	85 (100Vdc)	220	265(400Vdc)	W
输出特性 Output				
输出电压精度		±1%		Vo1
Setpoint Accuracy		±3%		Vo2、Vo3
源效应			±0.2%	
Line Regulation				
负载效应			±0.5%	
Load Regulation				
纹波与噪声			50mVp-p	Vo≤5Vdc
Ripple and Noise			100mVp-p	Other
			200 mVp-p	Vo≥48Vdc
温度系数		±0.1%/°C		
Temperature				
综合特性 General				
隔离电压	3000Vac/1min			VA20Series
Isolation Voltage	1500Vac/1min			VA25Series
开关频率		100KHz		
Switching Frequency				
效率		80%		typ
Efficiency				
手工焊接时间			5s	
Hand Soldering Time				
工作壳温	-25°C		+85°C	
Case Temperature				
储存温度	-40°C		+105°C	
Storage Temperature				
相对湿度	10%		90%	
Relative Humidity				
短路保护	长期短路自恢复			
Short-Circuit Protection	Continuous Automatic Recovery			

产品明细单/Models

型号 Model	输入电压 (Vac) Input Voltage	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current
VAS20-3-N(W)	165~265 (85~265)	3.3	4.5
VAS20-5-N(W)	165~265 (85~265)	5.05	4
VAS20-12-N(W)	165~265 (85~265)	12	1.67
VAS20-15-N(W)	165~265 (85~265)	15	1.33
VAS20-24-N(W)	165~265 (85~265)	24	0.83
VAS20-48-N(W)	165~265 (85~265)	48	0.42
VAD20-5-N(W)	165~265 (85~265)	+5.05/-5.05	+2/-2
VAD20-12-N(W)	165~265 (85~265)	+12/-12	+0.83/-0.83
VAD20-15-N(W)	165~265 (85~265)	+15/-15	+0.67/-0.67
VAD20-24-N(W)	165~265 (85~265)	+24/-24	+0.42/-0.42
VAD20-0505-NI(WI)	165~265 (85~265)	5/5	4/0.1
VAD20-0512-NI(WI)	165~265 (85~265)	5/12	3.8/0.1
VAD20-0515-NI(WI)	165~265 (85~265)	5/15	3.7/0.1
VAD20-0524-NI(WI)	165~265 (85~265)	5/24	3.5/0.1
VAD20-05H05-NI(WI)	165~265 (85~265)	5/5	3.8/0.2
VAD20-05H12-NI(WI)	165~265 (85~265)	5/12	3.5/0.2
VAD20-05H15-NI(WI)	165~265 (85~265)	5/15	3.4/0.2
VAD20-05H24-NI(WI)	165~265 (85~265)	5/24	3/0.2
VAD20-05V05-NI(WI)	165~265 (85~265)	5/5	3/1
VAD20-05V12-NI(WI)	165~265 (85~265)	5/12	2.1/0.8
VAD20-05V15-NI(WI)	165~265 (85~265)	5/15	2.2/0.6
VAD20-05V24-NI(WI)	165~265 (85~265)	5/24	2.6/0.3
VAT20-0505-NI(WI)	165~265 (85~265)	5/+5/-5	3.8/+0.1/-0.1
VAT20-0512-NI(WI)	165~265 (85~265)	5/+12/-12	3.5/+0.1/-0.1
VAT20-0515-NI(WI)	165~265 (85~265)	5/+15/-15	3.4/+0.1/-0.1
VAT20-0524-NI(WI)	165~265 (85~265)	5/+24/-24	3/+0.1/-0.1
VAT20-05H05-NI(WI)	165~265 (85~265)	5/+5/-5	3.6/+0.2/-0.2
VAT20-05H12-NI(WI)	165~265 (85~265)	5/+12/-12	3/+0.2/-0.2
VAT20-05H15-NI(WI)	165~265 (85~265)	5/+15/-15	2.8/+0.2/-0.2
VAT20-05H24-NI(WI)	165~265 (85~265)	5/+24/-24	2.1/+0.2/-0.2
VAT20-05V05-NI(WI)	165~265 (85~265)	5/+5/-5	2.4/+0.8/-0.8
VAT20-05V12-NI(WI)	165~265 (85~265)	5/+12/-12	2.1/+0.4/-0.4
VAT20-05V15-NI(WI)	165~265 (85~265)	5/+15/-15	2.2/+0.3/-0.3
VAS25-3-N	165~265 (85~265)	3.3	6
VAS25-5-N	165~265 (85~265)	5.05	5
VAS25-12-N	165~265 (85~265)	12	2.08
VAS25-15-N	165~265 (85~265)	15	1.67
VAS25-24-N	165~265 (85~265)	24	1.04
VAS25-48-N	165~265 (85~265)	48	0.52
VAD25-5-N	165~265 (85~265)	+5.05/-5.05	+2.5/-2.5
VAD25-12-N	165~265 (85~265)	+12/-12	+1.04/-1.04

VAD25-15-N	165~265 (85~265)	+15/-15	+0.83/-0.83
VAD25-24-N	165~265 (85~265)	+24/-24	+0.52/-0.52
VAD25-0505-NI	165~265 (85~265)	5/5	5/0.1
VAD25-0512-NI	165~265 (85~265)	5/12	4.8/0.1
VAD25-0515-NI	165~265 (85~265)	5/15	4.7/0.1
VAD25-0524-NI	165~265 (85~265)	5/24	4.5/0.1
VAD25-05H05-NI	165~265 (85~265)	5/5	4.8/0.2
VAD25-05H12-NI	165~265 (85~265)	5/12	4.5/0.2
VAD25-05H15-NI	165~265 (85~265)	5/15	4.4/0.2
VAD25-05H24-NI	165~265 (85~265)	5/24	4/0.2
VAD25-05V05-NI	165~265 (85~265)	5/5	3.5/1.5
VAD25-05V12-NI	165~265 (85~265)	5/12	3/1
VAD25-05V15-NI	165~265 (85~265)	5/15	3.5/0.5
VAD25-05V24-NI	165~265 (85~265)	5/24	3.5/0.3
VAT25-0524-NI	165~265 (85~265)	5/+24/-24	4/+0.1/-0.1
VAT25-05H12-NI	165~265 (85~265)	5/+12/-12	4/+0.2/-0.2
VAT25-05H15-NI	165~265 (85~265)	5/+15/-15	3.8/+0.2/-0.2
VAT25-05H24-NI	165~265 (85~265)	5/+24/-24	3.1/+0.2/-0.2
VAT25-05V05-NI	165~265 (85~265)	5/+5/-5	3.4/+0.8/-0.8
VAT25-05V12-NI	165~265 (85~265)	5/+12/-12	3.1/+0.4/-0.4
VAT25-05V15-NI	165~265 (85~265)	5/+15/-15	2.6/+0.4/-0.4
VAT25-05V24-NI	165~265 (85~265)	5/+24/-24	2.6/+0.25/-0.25

外形尺寸图/Mechanical Drawing



管脚定义/Pin Definition

管脚 PIN	1	2	3	4	5	6	7	8
单路 Single	L	N	FG	-Vo	NP	NP	NP	+Vo
均载双路 Level Load Dual	L	N	FG	-Vo	NP	COM	NP	+Vo
非均载双路 Non-level Load Dual	L	N	FG	-Vo1	+Vo1	NC	-Vo2	+Vo2
叁路 Triple	L	N	FG	-Vo1	+Vo1	-Vo2	COM	+Vo2

注：NP 代表无管脚 NC 代表无连接的空管脚

Remark: NP for no pin NC for no connection pin