

VAN90 (90 WATT)

(PRELIMINARY INFORMATION)

Description:

This product is a AC to DC power device for 90W with 12~20Vdc(different models) constant voltage and 6A (max.) current.

Features:

- Wide Range AC Input
- Output Power 90 Watt (max)
- High Efficiency >85%
- Power Factor Correction
- Output Status LED Indicator
- Level B EMI Filter
- Fully Regulated Output



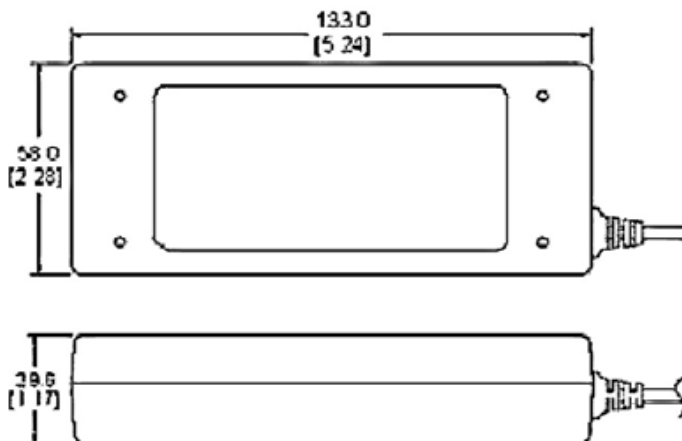
Temperature & Humidity:

Operating Temperature Range: 0°C ~ +40°C
Storage Temperature Range: -20°C ~ +80°C



Dimensions: L x B x H: 133 x 58 x 29,5 mm

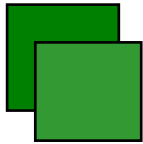
UNIT: $\frac{\text{MM}}{\text{INCH}}$



Power Systems – The Power Solution

Web: www.Power-Systems.de
Email: Info@Power-Systems.de

Address: Hauptstr. 48 ; 74360 Ilsfeld-Auenstein / Germany
Tel. : + 49 / 70 62 / 67 59 - 6
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AC-DC Power Supplies

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Electrical Characteristics:

Input	Voltage Range	90 ~ 264Vac
	Frequency Range	47 ~ 63Hz
	AC Current	1,5Arms
Output	DC Voltage/ Current VAN90-1200	12Vdc/ 5,0A
	DC Voltage/ Current VAN90-1500	15~16Vdc/ 5,0A
	DC Voltage/ Current VAN90-1900	18~20Vdc/4,74A
	Current Limit Range	2,1~6A
	Rated Power	90W
	Hold Up Time	>20ms @ Full Load/ 115Vac
	Toleranz	5%
	Efficiency	>85%
Protection	Rippel & Noise	1%
	Short Circuit Protection	Built-In
	Over Current Protection	Constant Current Type

Safety / EMC Specification:

Safety Referring Standards	UL	UL1950
	CE	
	FCC	
EMI	FCC	Class B
	CISPR 22	Class B
	VCCI	Class B

Order Key:

Model No.	Vout in Vdc	Iout in A	Pout in W
VAN90-1200	12	5	60
VAN90-1500	15	5	80
VAN90-1900	19	4,75	90

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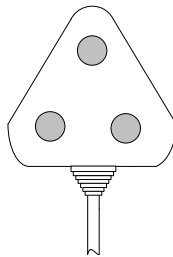
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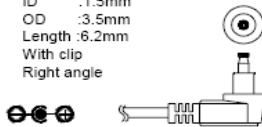
Reliability:

MTBF: When the power supply is operating within the limits of this specification the MTBF shall be at least 100,000 hours at 25°C.

Burn In: The power supply shall undergo a minimum 4 hours burn-in test at 40°C ±5°C under rated current.

Input Terminal:

Output Terminal:
C101
Plug Spec:

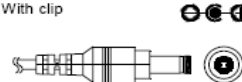
ID :1.5mm
OD :3.5mm
Length :6.2mm
With clip
Right angle


C102
Plug Spec:

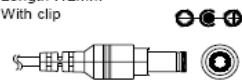
ID :2.0mm
OD :5.5mm
Length :12mm
With clip


C103
Plug Spec:

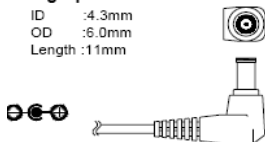
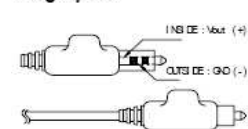
ID :2.5mm
OD :5.5mm
Length :12mm
With clip


C104
Plug Spec:

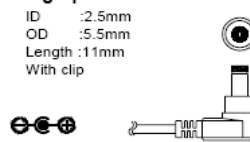
ID :2.8mm
OD :6.6mm
Length :12mm
With clip


C105
Plug Spec:

ID :4.3mm
OD :6.0mm
Length :11mm

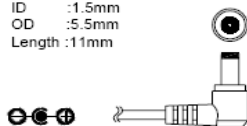

C106
Plug Spec:

C107
Plug Spec:

ID :2.5mm
OD :5.5mm
Length :11mm
With clip

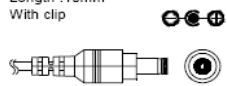

C108
Plug Spec:

C109
Plug Spec:

ID :1.5mm
OD :5.5mm
Length :11mm


C110
Plug Spec:

ID :2.0mm
OD :5.5mm
Length :10mm
With clip



Note1: Ripple/Noise tested by dc-loading side parallel with a 10uF/E-Cap & 0.1uF/C-Cap and measured band-width DC-20MHz.

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