



2.56"W x 4.65"L x 1.58"H

- Universal 90-264VAC Input
- ANSI/AAMI ES 60601-1: 2005 (UL/cUL 3rd Edition)
- EN 60601-1:2006 (TUV/T-mark 3rd Edition)
- Regulated Outputs
- 4000VAC Isolation
- IEC320-C14 Input
- Efficiency Level V



Model Number	Output Voltage	Output Amps	Regulation*	Max. Output Watts	Output Connector
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SINGLE OUTPUT

AMP3101-01	3.3	6.06	7%	20W	Coaxial
AMP3101-02	5	5	5%	25W	Coaxial
AMP3101-03	6	4.16	5%	25W	Coaxial
AMP3101-04	10	3	4%	30W	Coaxial
AMP3101-05	12	2.5	3%	30W	Coaxial
AMP3101-06	15	2	3%	30W	Coaxial
AMP3101-07	18	1.66	3%	30W	Coaxial
AMP3101-08	24	1.25	2%	30W	Coaxial
AMP3101-09	30	1	2%	30W	Coaxial
AMP3101-10	36	0.83	2%	30W	Coaxial

*If the output cable is modified, the regulation, efficiency and efficiency level will be effected.



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Model Number	Output Voltage	Output Amps	Regulation*	Max. Output Watts	Output Connector
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DUAL OUTPUT

AMP3102-00	3.3/12	3/1.3	7/5%	25W	DIN
AMP3102-01	5/12	3/1.3	5/5%	30W	DIN
AMP3102-02	5/15	3/1	5/5%	30W	DIN
AMP3102-03	5/24	3/0.7	5/5%	30W	DIN
AMP3102-04	3.3/5	3/1.6	7/5%	17.9W	DIN
AMP3102-09	+/-12	2/0.5	5/10%	30W	DIN
AMP3102-10	+/-15	1.5/0.5	5/10%	30W	DIN
AMP3102-15	5/-24	3/1	5/10%	30W	DIN

TRIPLE OUTPUT

AMP3103-01	5/12/-5	2.5/1.1/0.5	5/5/10%	25W	DIN
AMP3103-02	5/12/-12	2.5/1/0.5	5/5/10%	30W	DIN
AMP3103-03	5/15/-15	2.5/1/0.5	5/5/10%	30W	DIN
AMP3103-04	5,+/-24	3/1/0.5	5/5/10%	30W	DIN
AMP3103-05	5/24/-12	3/1/0.5	5/5/10%	30W	DIN
AMP3103-06	3.3/12/-5	3/1.1/0.5	7/5/10%	25W	DIN

*If the output cable is modified, the regulation, efficiency and efficiency level will be effected.

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 Hz
Leakage Current	0.1mA typ. @ 240VAC
Input Current Lowline	0.9A
Input Current Highline	0.34A
Inrush Current Lowline	15A max.
Inrush Current Highline	38A max.
No-Load Power Consumption	0.5 Watts Max.

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts
Minimum Load Required	0-FL Single Outputs 10% Multi-Outputs
Load Regulation*	See Selection Charts
Line Regulation	± 0.5%, typ (1% Max.)
Ripple/Noise	0.5% Pk-Pk, typ (1% Max.)
Hold Up Time	12mS min. at 110VAC Input
Start Up Time	1.5S typ. (2S max.)
Over Voltage Protection	112-132%
Over Current Protection	110-150%
Transient Response (FL-1/2L)	4mS @ 100VAC Input
Temperature Coefficient	±0.04%/°C, typ.

GENERAL SPECIFICATIONS

Isolation	I/P-O/P: 4000VAC I/P-GND: 2000VAC
Isolation Resistance	50MΩ
Efficiency*	83% typ.
Safety	ANSI/AAMI ES 60601-1: 2005 (UL/cUL 3rd Edition) EN 60601-1:2006 (TUV/T-mark 3rd Edition)

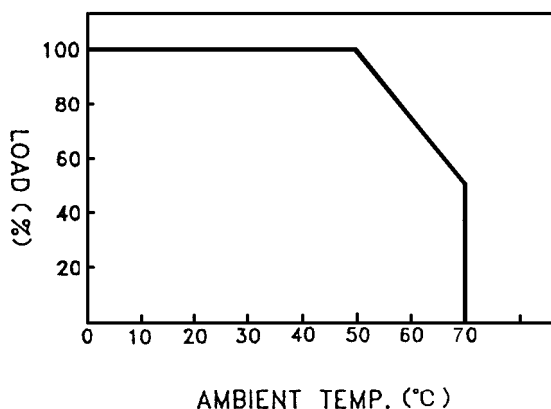
PHYSICAL SPECIFICATIONS

Size	4.65"L x 2.56"W x 1.58"H
Construction	Desktop Style
Weight	16.22oz (460g)

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +70°C
	See Derate Curve
Storage Temperature	-40 to +85°C *
Relative Humidity	0 to + 95%, non-cond *
EMI	220VAC in: CISPR-11B 110VAC in: FCC18B
Efficiency Level*	V
MTBF (MIL-HDBK-217F, 25°C)	100,000 Hours

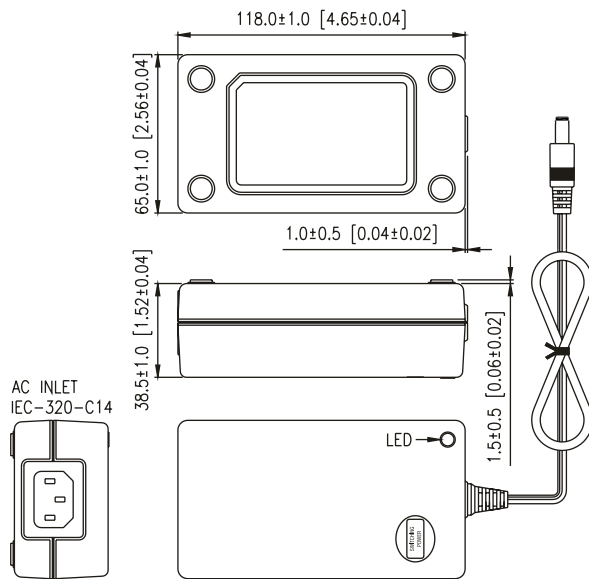
OUTPUT DERATING CURVE



All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

MECHANICAL DIMENSIONS



Coaxial Plug:

- 5.5mm outer diameter
- 2.1mm inner diameter, female
- 11mm length, center "+"



5 Pin DIN



Dual Output

- 1. COM
- 2. COM
- 3. Output #1
- 4. No Connection
- 5. Output #2
- Shell = GND

Triple Output

- 1. COM
- 2. COM
- 3. Output #1
- 4. Output #3
- 5. Output #2
- Shell = GND