

## DATA SHEET AMI SERIES

TO 1 WATT



- Industrial temperature range (-40°C to +85°C)
- SMD package
- 1,000 VDC isolation
- UL 94V-0 package material
- MTBF > 1 million hours
- 5, 9, 12 or 15V out
- Efficiency up to 78%

The AMI series from Wall Industries, Inc. is highly suitable for high speed pick and place machine operation. The operating temperature range of -40°C to +85°C is ideal for designers needing industrial temperature operation.

### **MODELS**

MODEL	INPUT	OUTPUT	OUTPUT	
NUMBER	VOLTAGE (VDC)	VOLTAGE (VDC)	CURRENT (mA)	EFFICIENCY
AM505-200NI	5	5	200	68%
AM509-111NI	5	9	111	75%
AM512-83NI	5	12	83	77%
AM515-66NI	5	15	66	78%
AM1205-200NI	12	5	200	67%
AM1209-111NI	12	9	111	73%
AM1212-83NI	12	12	83	74%
AM1215-66NI	12	15	66	75%



# DATA SHEET AMI SERIES

TO 1 WATT

**SPECIFICATIONS**All specifications apply at 25°C unless otherwise noted.

SPECIFICATION	VALUE			
INPUT	Input Voltage Range	±10%		
ОИТРИТ	Output Current Voltage Accuracy Line Regulation Load Regulation (10-100% load)	see model information table ±5% 1.2% / 1% of Vin max. 5Vout 15% max. 9Vout 9% max. 12Vout 7.5% max. 15Vout 7% max.		
	Ripple/Noise (20MHz BW)	15Vout 7% max. 5Vout 85mV p-p 9Vout 75mV p-p 12Vout 65mV p-p 15Vout 76mV p-p		
GENERAL	Efficiency Isolation Voltage (input to output) Switching Frequency	see table 1000VDC 110kHz typ.		
ENVIRONMENTAL	Operating Temperature (ambient) Storage Temperature Cooling	-40°C to +85°C -40°C to +100°C free air convection		
PHYSICAL	Dimensions Weight Case Material	see drawing > 1.5g plastic UL 94V-0		
due to advances in technology, specifications subject to change without notice				

#### MARKINGS AND DIMENSIONS

### PIN CONNECTION

PIN

1

3

7

8

14

SINGLE

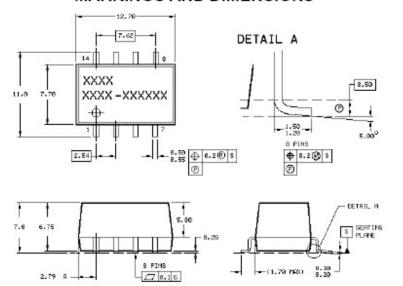
OUTPUT

-INPUT

+INPUT

-OUTPUT

+OUTPUT



Dimensions: mm

Unless otherwise specified, all tolerances are  $\pm 0.13$ 

NC

6/30/2005