



# AMERICAN MICROSEMICONDUCTOR INC.

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## FEATURES

- 8 Isolated lines of protection Common Cathode
- Standard 14 pin Dual-In-Line Package
- UL 94V-0 Flammability Classification

## MECHANICAL

- Molded 14 Pin Dip
- Weight: 2.5 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package

## MAXIMUM RATINGS

- Operating Temperatures: -5°C to +150°C
- Storage Temperature: -5°C to +150°C
- Forward Surge Current: 2.0Amps (8.3 mS)
- Peak Reverse voltage  $V_{RM}$ : 100V
- Steady state reverse voltage  $V_R$ : 75V
- Continuous forward current  $I_F$ : 400mA
- Power dissipation (B): 500mW
- Derating factor: 4.0 mW/°C

## PACKING

- Carrier tubes 25 per standard


## ELECTRICAL CHARACTERISTICS PER LINE

Characteristics @ 25 °C Unless otherwise specified

Part Number	$V_{br} @ I_{br}$	$I_r$		$I_r$		CAP	trr	$V_f$	$V_f$
	= 100 A	+25°C	150°C	@ 0 V	@ 0 V				
	V	A	A	V	V	pF	(nS)	V	V
	MIN	MAX	MAX	@ $V_r$	@ $V_r$	MAX	MAX	MAX	MAX
ADA1105	100	.100	20	50	20	4.0	5.0	1.00	1.20

## ADA1105

Switching Diode Array



CIRCUIT DIAGRAM

