



**AMERICAN MICROSEMICONDUCTOR INC.**

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**FEATURES**

- 16 Diode Array
- 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: -55°C to +150°C
- Storage Temperature: -55°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 ( $P_b$ ): 500mW
- Derating factor: 4.0 mW/°C

**PACKAGING**

- Carrier tubes 25 per standard

**ELECTRICAL CHARACTERISTICS PER LINE**

Characteristics @ 25 °C Unless otherwise specified

ADA1103

Switching Diode Array

CIRCUIT DIAGRAM

Part Number	$V_{br} @ I_{br}$	$I_r$		$I_r$		CAP @ 0V pF MAX	trr (nS) MAX	$V_f$	$V_f$
	= 100 A V MIN	A MAX	+25°C V @ $V_r$	A MAX	150°C V @ $V_r$			@ $I_f = 10mA$ V MAX	@ $I_f = 100mA$ V MAX
ADA1103	100	.100	20	50	20	4.0	5.0	1.00	1.20

