



AMERICAN MICROSEMICONDUCTOR INC.

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FEATURES

- Dual 10 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 tube 25 per (standard)

ELECTRICAL CHARACTERISTICS PER LINE

Characteristics @ 25 °C Unless otherwise specified

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
ADA130	100	.100	20	50	20	4.0	5.0	1.00	1.20

ADA130

Switching Diode Array

CIRCUIT DIAGRAM

