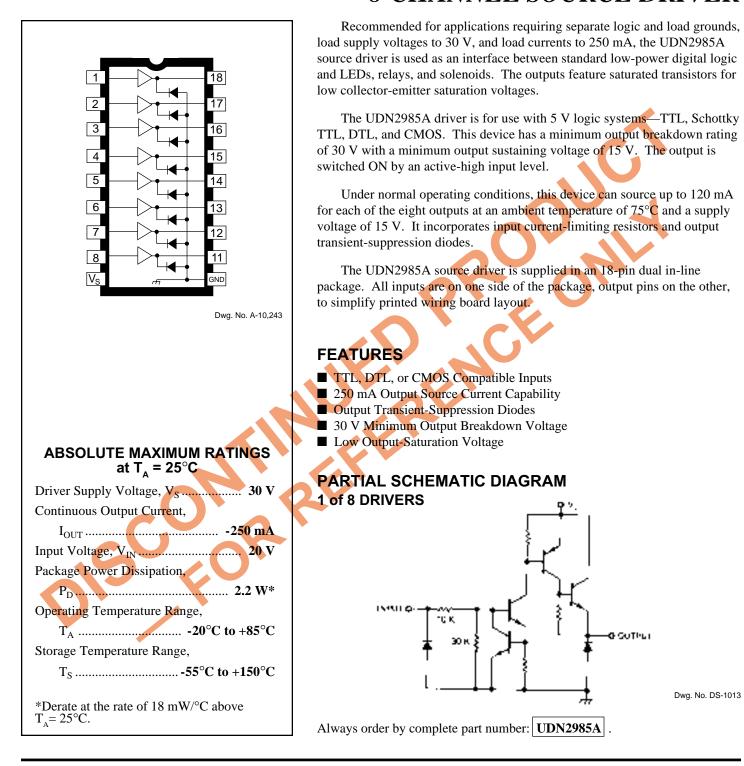


8-CHANNEL SOURCE DRIVER





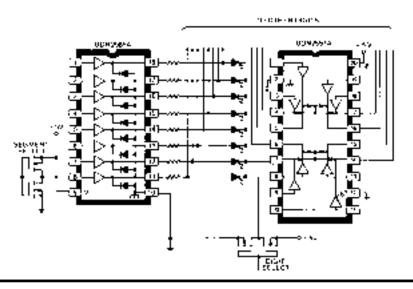
2985 8-CHANNEL SOURCE DRIVER

ELECTRICAL CHARACTERISTICS at $T_A = 25^{\circ}C$, $V_S = 30$ V (unless otherwise noted).

Characteristics	Symbol	Test Conditions	Limits			
			Min.	Тур.	Max.	Units
Output Leakage Current	I _{CEX}	V _{IN} = 0.4 V, V _{OUT} = 0 V	_	<-1.0	-100	μA
Output Sustaining Voltage	V _{CE(sus)}	I _{OUT} = -120 mA, L = 3 mH	15	_		V
Output Saturation Voltage	V _{CE(SAT)}	V _{IN} = 2.4, I _{OUT} = -60 mA	_	0.8	1.1	V
		V _{IN} = 2.4, I _{OUT} = -120 mA	-	0.9	1.2	V
Input Current Voltage	I _{IN(ON)}	V _{IN} = 2.4 V	_	90	225	μΑ
		V _{IN} = 5.0 V	_	280	650	μA
	I _{IN(OFF)}	V _{IN} = 0.4 V	_	10	15	μA
Supply Current (outputs open)	I _S	V _S = 30 V, V _{IN} = 2.4 V	-	10	15	mA
Clamp Diode Leakage Current	I _R	V _R = 30 V, T _A = 70°C	_	<1.0	50	μA
Clamp Diode Foward Voltage	V _F	I _F = 120 mA	_	1.1	2.0	V
Turn-On Delay	t _{ON}		<u> </u>	0.5	1.0	μs
Turn-Off Delay	t _{OFF}		<u> </u>	5.0	10	μs

NOTE: Negative current is defined as coming out of (sourcing) the specified device pin.

COMMON-CATHODE LED DRIVER



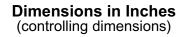
Dwg. No. DS-1014

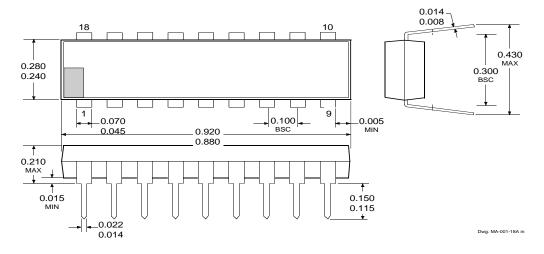


115 Northeast Cutoff, Box 15036 Worcester, Massachusetts 01615-0036 (508) 853-5000 Copyright © 1984, 2004 Allegro MicroSystems, Inc.

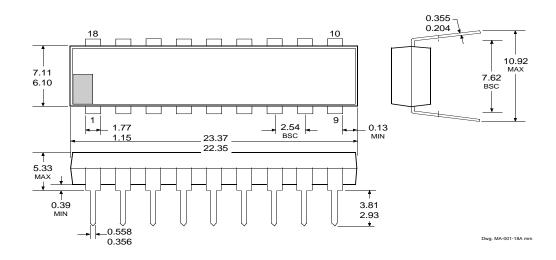
Downloaded from <u>Elcodis.com</u> electronic components distributor

2985 8-CHANNEL SOURCE DRIVER





Dimensions in Millimeters (for reference only)



NOTES: 1. Exact body and lead configuration at vendor's option within limits shown.2. Lead spacing tolerance is non-cumulative.3. Lead thickness is measured at seating plane or below.

Downloaded from <u>Elcodis.com</u> electronic components distributor

2985 8-CHANNEL SOURCE DRIVER

Allegro MicroSystems, Inc. reserves the right to make, from time to time, such departures from the detail specifications as may be required to permit improvements in the design of its products. The information included herein is believed to be accurate and reliable. However, Allegro MicroSystems, Inc. assumes no responsibility for its use; nor for any infringements of patents or other rights of third parties which may result from its use.



Downloaded from Elcodis.com electronic components distributor

115 Northeast Cutoff, Box 15036 Worcester, Massachusetts 01615-0036 (508) 853-5000