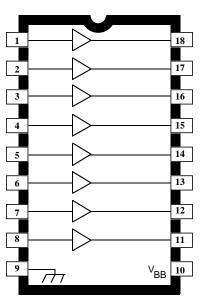
6118

VACUUM FLUORESCENT DISPLAY DRIVER



Always order by complete part number, e.g., UDN6118A.

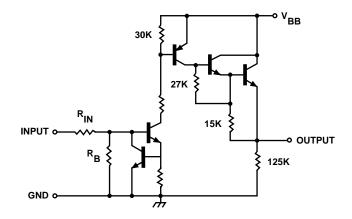




UDN6118A

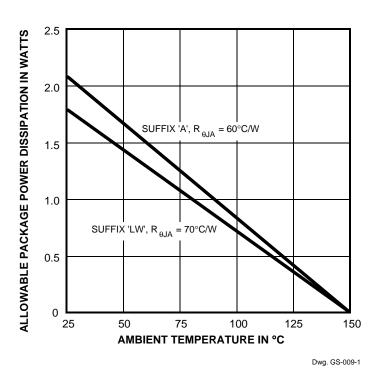
Dwg. PP-065

PARTIAL SCHEMATIC ONE DRIVER (ALL TYPES)



Dwg. No. A-10,592C

R _{IN}	R _B
10 kΩ	30 kΩ





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ELECTRICAL CHARACTERISTICS (over operating temperature range) at $V_{_{BB}}$ = 80 V.

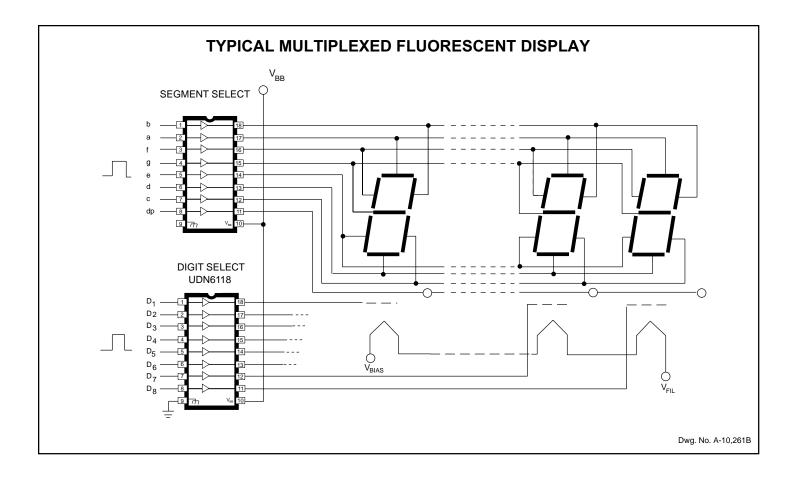
			Limits			
Characteristic	Symbol	Test Conditions	Min.	Тур.	Max.	Units
Output Leakage Current	I _{OUT}	V _{IN} = 0.4 V	_	_	15	μA
Output OFF Voltage	V _{OUT}	V _{IN} = 0.4 V	_	_	1.0	V
Output Pull-Down Current	I _{OUT}	Input Open, V _{OUT} = V _{BB}	450	650	1100	μA
Output ON Voltage	V _{OUT}	V _{IN} = 2.4 V, I _{OUT} = -25 mA	77	78	_	V
Input ON Current	I _{IN}	V _{IN} = 2.4 V	—	120	225	μA
		V _{IN} = 5.0 V	_	375	650	μA
Supply Current	I _{BB}	All Inputs Open	—	10	100	μA
		All Inputs = 2.4 V	_	6.0	9.0	mA

RECOMMENDED OPERATING CONDITIONS

			Limits			
Characteristic	Symbol	Test Conditions	Min.	Тур.	Max.	Units
Supply Voltage	V _{BB}		5.0	_	70	V
Input ON Voltage	V _{IN}		2.4	_	15	V
Output ON Current	I _{OUT}		—	_	-25	mA

NOTE: Positive (negative) current is defined as going into (coming out of) the specified device terminal.

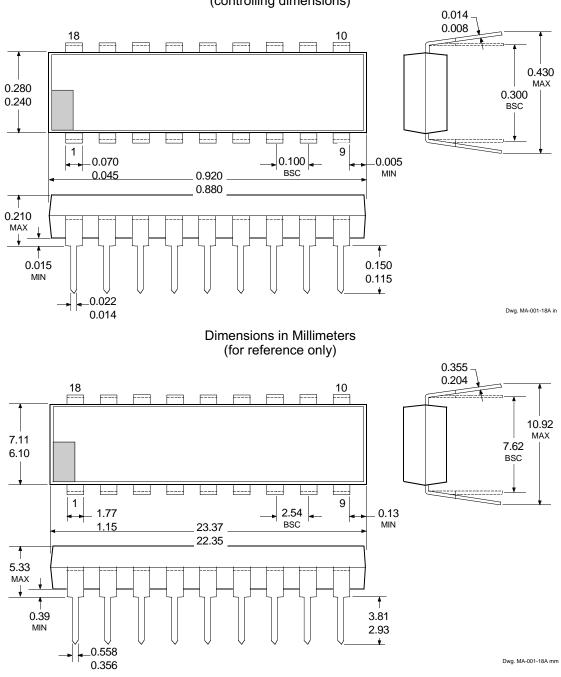
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UDN6118A



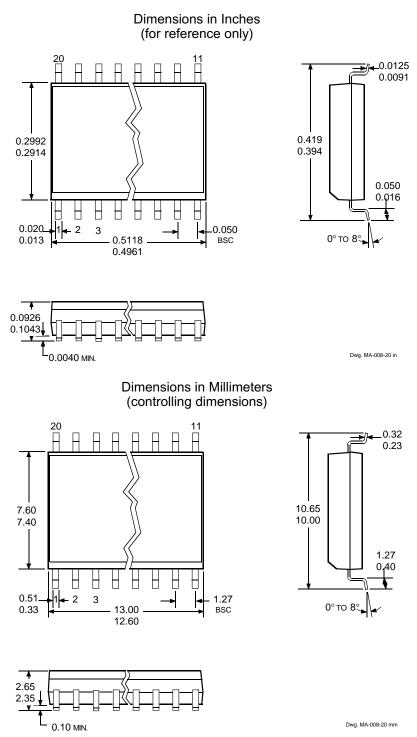
Dimensions in Inches (controlling dimensions)

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.
- 4. Supplied in standard sticks/tubes of 21 devices.

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A6118SLW



NOTES:1. Exact body and lead configuration at vendor's option within limits shown.

- 2. Lead spacing tolerance is non-cumulative.
 - 3. Supplied in standard sticks/tubes of 37 devices or add "TR" to part number for tape and reel.



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HIGH-VOLTAGE (≥60 V) PERIPHERAL POWER AND DISPLAY DRIVERS

IN ORDER OF 1) OUTPUT VOLTAGE, 2) OUTPUT CURRENT, 3) NUMBER OF DRIVERS

Output Ratings*		Features					_	
v	mA	#	Serial Input	Latched Drivers	Diode Clamp	Saturated Outputs	Internal Protection	Part Number †
60	-25	8	_	Х	_	_	_	5815
	-25	10	Х	Х	Active Pull-Dov	vn –	_	5810-F and 6810
	-25	12	Х	Х	Active Pull-Dov	vn –	_	5811 and 6811
	-25	20	Х	Х	Active Pull-Dov	vn –	_	5812-F and 6812
	-25	32	Х	Х	Active Pull-Dov	vn –	_	5818-F and 6818
	300	4	_	_	Х	Х	Х	2557
	600	4	_	_	_	Х	х	2547
	600	4	_	_	Х	Х	Х	2549
	700	4	_	_	Х	Х	х	2559
	700	4	_	_	Х	Х	х	2543
	4000	4	_	-	Х	_	-	2944
80	-350	8	_	_	х	_	_	2983
	350	8	Х	Х	-	_	_	5822
	350	8	Х	Х	Х	_	_	5842
	-350	8	Х	Х	Х	_	_	5890
95	300	7	_	_	х	_	_	2023
	350	7	_	-	Х	_	_	2024

* Current is maximum test condition; voltage is absolute maximum allowable. Negative current is defined as coming out of (sourcing) the output.

[†] Complete part number includes additional characters to indicate operating temperature range and package style.



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