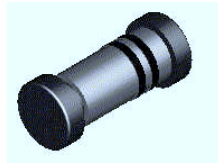
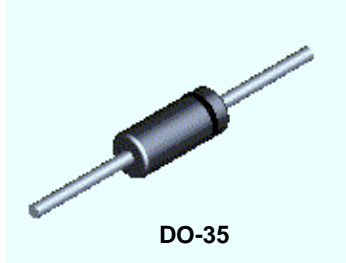


FDH/FDLL 300/A / 333



THE PLACEMENT OF THE EXPANSION GAP
HAS NO RELATIONSHIP TO THE LOCATION
OF THE CATHODE TERMINAL

COLOR BAND MARKING

DEVICE	1ST BAND	2ND BAND
FDLL300	BROWN	GREEN
FDLL300A	BROWN	YELLOW
FDLL333	BROWN	BLUE

High Conductance Low Leakage Diode

Sourced from Process 1M.

Absolute Maximum Ratings*

TA = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
W_{IV}	Working Inverse Voltage	125	V
I_o	Average Rectified Current	200	mA
I_F	DC Forward Current	500	mA
i_f	Recurrent Peak Forward Current	600	mA
$i_{f(surge)}$	Peak Forward Surge Current		
	Pulse width = 1.0 second	1.0	A
	Pulse width = 1.0 microsecond	4.0	A
T_{stg}	Storage Temperature Range	-65 to +200	°C
T_J	Operating Junction Temperature	175	°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

NOTES:

- 1) These ratings are based on a maximum junction temperature of 200 degrees C.
- 2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

Thermal Characteristics

TA = 25°C unless otherwise noted

Symbol	Characteristic	Max	Units
		FDH/FDLL 300/A / 333	
P_D	Total Device Dissipation Derate above 25°C	500 3.33	mW mW/°C
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	300	°C/W

National Semiconductor was acquired by Texas Instruments.

http://www.ti.com/corp/docs/investor_relations/pr_09_23_2011_national_semiconductor.html

This file is the datasheet for the following electronic components:

FDLL333 - <http://www.ti.com/product/fdll333?HQS=TI-null-null-dscatalog-df-pf-null-wwe>

FDLL300A - <http://www.ti.com/product/fdll300a?HQS=TI-null-null-dscatalog-df-pf-null-wwe>

FDLL300 - <http://www.ti.com/product/fdll300?HQS=TI-null-null-dscatalog-df-pf-null-wwe>

FDH300A - <http://www.ti.com/product/fdh300a?HQS=TI-null-null-dscatalog-df-pf-null-wwe>

FDH300 - <http://www.ti.com/product/fdh300?HQS=TI-null-null-dscatalog-df-pf-null-wwe>

FDH333 - <http://www.ti.com/product/fdh333?HQS=TI-null-null-dscatalog-df-pf-null-wwe>



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