



MILITARY DATA SHEET

MNDH0035G REV 0AL

Original Creation Date: 09/18/95
Last Update Date: 09/19/95
Last Major Revision Date: 09/18/95

PIN DIODE DRIVER

Industry Part Number

DH0035

NS Part Numbers

DH0035G-MIL

Prime Die

DH0035

Processing

MIL-STD-883, Method 5004

Quality Conformance Inspection

MIL-STD-883, Method 5005

Subgrp Description

Temp (°C)

1	Static tests at	+25
2	Static tests at	+125
3	Static tests at	-55
4	Dynamic tests at	+25
5	Dynamic tests at	+125
6	Dynamic tests at	-55
7	Functional tests at	+25
8A	Functional tests at	+125
8B	Functional tests at	-55
9	Switching tests at	+25
10	Switching tests at	+125
11	Switching tests at	-55

Electrical Characteristics

DC PARAMETERS

(The following conditions apply to all the following parameters, unless otherwise specified.)
DC: $V_+ = 10V$, $V_- = -10V$

SYMBOL	PARAMETER	CONDITIONS	NOTES	PIN-NAME	MIN	MAX	UNIT	SUB-GROUPS
Vil	Logical "0" Input Voltage		1			.4	V	1, 2, 3
Vih	Logical "1" Input Voltage		1		2		V	1, 2, 3
Vol	Logical "0" Output Voltage	$I_{out} = 100mA$				-7	V	1, 2, 3
Voh	Logical "1" Output Voltage	$I_{out} = -100mA$			7		V	1, 2, 3
Ips	On Supply Current	$V_7 = 1.5V$, $V_3 = 0V$, $I_{out} = 0mA$	2		-60		mA	1, 2, 3
Iosc+	Positive Short Circuit Current				400		mA	1, 2, 3
Iosc-	Negative Short Circuit Current	Input A = 0V, Input B Current = 50mA			800		mA	1, 2, 3

AC PARAMETERS

(The following conditions apply to all the following parameters, unless otherwise specified.)
AC: $V_+ = 10V$, $V_- = -10V$

ton	Turn-On Delay	$V_{in} = 1.5V$, $V_{out} = -3V$	3			15	nS	9
toff	Turn-Off Delay	$V_{in} = 1.5V$, $V_{out} = 3V$	3			30	nS	9

Note 1: Parameter tested go-no-go only.

Note 2: Tested using the negative supply, guarantees 60mA max limit.

Note 3: Use HDN-30-777-200 bench test, FTS-DH0035-GB1.