

MDDH0008H REV 0AL

 Original Creation Date: 09/18/95
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ELEMENTAL DH0008H RELAY DRIVER
Industry Part Number

DH0008

NS Part Numbers

DH0008H/883

Prime Die

DH0008

Controlling Document

DESC

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: $V_{CC} = 45V$

SYMBOL	PARAMETER	CONDITIONS	NOTES	PIN-NAME	MIN	MAX	UNIT	SUB-GROUPS
Vohh	Logical "1" Output Voltage	$I_{out} = 1.6A$			43		V	1
Vohl	Logical "1" Output Voltage	$V_{CC} = 10V, I_{out} = 800mA$			8.5		V	1, 2, 3
Iil	Logical "0" Input Current	$V_{in} = .4V$			-1	-.1	mA	1, 2, 3
Iihl	Logical "1" Input Current	$V_{in} = 2.4V$			-5	5	uA	1, 2, 3
Iihs	Logical "1" Input Current	$V_{in} = 5.5V$			-100	100	uA	1
					-25	25	uA	2, 3
Vol	Logical "0" Output Voltage	$V_{in} = .8V, R_L = 1K \text{ Ohm}$				100	mV	1, 2, 3
Icch	On Power Supply Current	$V_{in} = 2V$				8	mA	1, 2, 3
Iccl	Off Power Supply Current	$V_{in} = .8V$				2	mA	1, 2, 3
VNand	Nand Output Leakage (Pin 1 to 8)	$V_{in} = 0V$				40	mV	1, 2, 3
I 5-6-7	Isolation Leakage (Pins 5, 6, 7)					100	uA	1