

X025/202

NATIONAL
QUALIFICATIONS
2008

WEDNESDAY, 11 JUNE
1.00 PM – 3.30 PM

ELECTRONIC AND
ELECTRICAL
FUNDAMENTALS
INTERMEDIATE 2
Datasheets for Q5 and Q10



Datasheet for Question 5

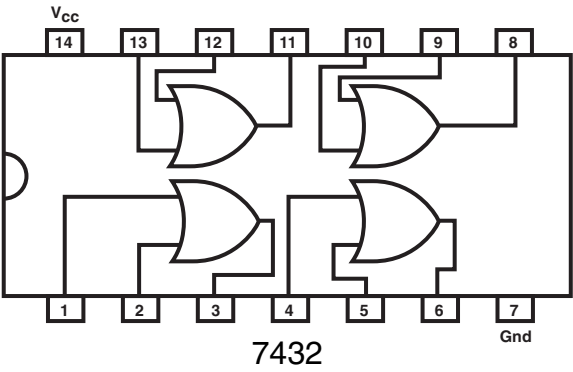
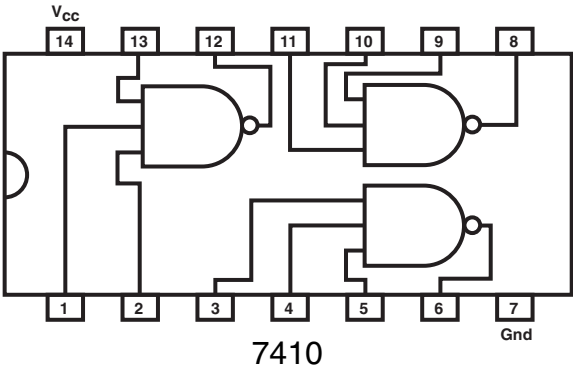
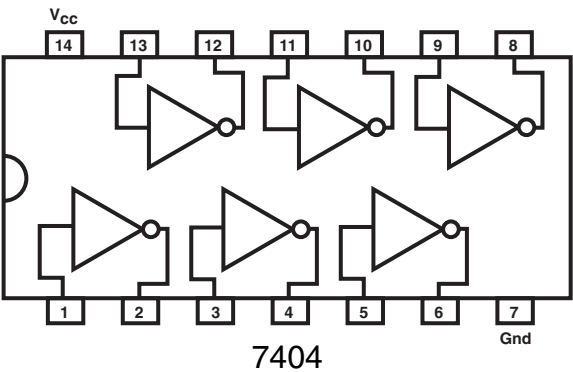
ZENER DIODES

<i>Diode Series</i>	<i>Zener Voltage Range</i>	<i>Power mW</i>	<i>Non Repetitive Power (W)</i>	<i>Max Junction Temp</i>
UDZ (SMT)	2.02 – 36.87	200	N/A	N/A
PLVA400A	5.2 – 7.0	400	30	175
BZX79	2.4 – 75	500	30	200
BZX85	2.7 – 200	1300	N/A	175
BZX284(SMT)	2.4 – 75	400	N/A	N/A
BZT03C	6.2 – 150	3.25W	N/A	N/A
1N5333	3.9 – 120	5W	N/A	N/A
1N53	3.3 – 200	5W	N/A	N/A
BZY93	8.2 – 75	20W	N/A	N/A

LEDs

<i>Diode Type</i>	<i>Part No</i>	<i>I_F</i> mA (<i>max</i>)	<i>V_F</i> V (<i>typ</i>)	<i>V_R</i> V (<i>max</i>)	<i>Intensity @ 10 mA mcd</i>		<i>View Angle</i> (deg)	<i>Peak wavelength</i> (nm)
					<i>min</i>	<i>max</i>		
Red	L424HDT	25	2	5	0.5	3.2	100	700
H E red	L424IDT	30	2	5	3.2	12.5	100	625
Pure orange	L424NDT	30	2	5	3.2	12.5	100	610
Green	L424GDT	25	2.2	5	1.3	8	100	565
Yellow	L424YDT	30	2.1	5	1.3	8	100	590

Datasheet for Question 10



[END OF DATASHEETS]

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