

ModernGraham Valuation

Cboe Global Markets
Inc



Company Name:

Company Ticker CBOE

Date of Analysis

3/28/2018

Stage 1: Is this company suitable for the Defensive Investor or the Enterprising Investor?

Defensive Investor; must pass 6 out of the following 7 tests.

1. Adequate Size of the Enterprise	Market Cap > \$2Bil	\$12,612,814,613	Pass
2. Sufficiently Strong Financial Condition	Current Ratio > 2	1.30	Fail
3. Earnings Stability	Positive EPS for 10 years prior		Pass
4. Dividend Record	Dividend Payments for 10 years prior		Fail
	Increase of 33% in EPS in past 10 years using 3 year averages at beginning and end	176.61%	Pass
5. Earnings Growth	PEmg < 20	33.34	Fail
6. Moderate PEmg Ratio	PB Ratio < 2.5 OR PB*PEmg < 50	4.05	Fail
7. Moderate Price to Assets			

Enterprising Investor; must pass 4 out of the following 5 tests, or be suitable for the Defensive Investor.

1. Sufficiently Strong Financial Condition	Current Ratio > 1.5	1.30	Fail
2. Sufficiently Strong Financial Condition	Debt to NCA < 1.1	12.29	Fail
3. Earnings Stability	Positive EPS for 5 years prior		Pass
4. Dividend Record	Currently Pays Dividend		Pass
5. Earnings Growth	EPSmg greater than 5 years ago Score		Pass

Suitability

Defensive	No
Enterprising	No

Stage 2: Determination of Intrinsic Value

EPSmg	\$3.36
MG Growth Estimate	11.57%
MG Value	\$106.24
MG Value based on 3% Growth	\$48.67
MG Value based on 0% Growth	\$28.53
Market Implied Growth Rate	12.42%

MG Opinion

Current Price	\$111.91
% of Intrinsic Value	105.34%
Opinion	Fairly Valued
MG Grade	D

Stage 3: Information for Further Research

Net Current Asset Value (NCAV)	-\$15.28
Graham Number	\$51.85
PEmg	33.34
Current Ratio	1.30
PB Ratio	4.05
Current Dividend	\$1.04
Dividend Yield	0.93%
Number of Consecutive Years of Dividend Growth	8

Useful Links:

ModernGraham tagged articles	Morningstar
Google Finance	MSN Money
Yahoo Finance	Seeking Alpha
GuruFocus	SEC Filings

EPS History		EPSmg History	
Next Fiscal Year Estimate	\$4.33	Next Fiscal Year Estimate	\$3.36
Dec2017	\$3.69	Dec2017	\$2.75
Dec2016	\$2.27	Dec2016	\$2.24
Dec2015	\$2.46	Dec2015	\$2.15
Dec2014	\$2.21	Dec2014	\$1.89
Dec2013	\$1.99	Dec2013	\$1.66
Dec2012	\$1.78	Dec2012	\$1.44
Dec2011	\$1.52	Dec2011	\$1.18
Dec2010	\$1.03	Dec2010	\$0.90
Dec2009	\$1.17	Dec2009	\$0.72
Dec2008	\$1.24	Dec2008	\$0.41
Dec2007	\$0.00	Dec2007	\$0.00
Dec2006	\$0.00	Dec2006	\$0.00
Dec2005	\$0.00	Dec2005	\$0.00
Dec2004	\$0.00	Dec2004	\$0.00
Dec2003	\$0.00	Dec2003	\$0.00
Dec2002	\$0.00	Dec2002	\$0.00
Dec2001	\$0.00	Balance Sheet Information 12/1/2017	
Dec2000	\$0.00	Total Current Assets	\$434,700,000
Dec1999	\$0.00	Total Current Liabilities	\$334,000,000
Dec1998	\$0.00	Long-Term Debt	\$1,237,900,000
		Total Assets	\$5,265,700,000
		Intangible Assets	\$4,650,600,000
		Total Liabilities	\$2,155,100,000
		Shares Outstanding (Diluted Average)	112,600,000





Disclaimer:

This valuation is not investment advice. Anyone who is considering making an investment decision should speak to a registered investment advisor. The author did not hold a position in any company mentioned in this article at the time of publication and had no intention of changing those holdings within the next 72 hours.

Recommended Reading:

Other ModernGraham posts about the company #N/A

- Other ModernGraham posts about related companies
- [Raymond James Financial Inc Valuation – March 2018 \\$RJF](#)
 - [Marsh & McLennan Companies Inc Valuation – March 2018 \\$MMC](#)
 - [Fidelity National Information Services Inc Valuation – March 2018 \\$FIS](#)
 - [Intercontinental Exchange Inc Valuation – March 2018 \\$ICE](#)
 - [H&R Block Inc Valuation – March 2018 \\$HRB](#)
 - [Morgan Stanley Valuation – March 2018 \\$MS](#)
 - [BlackRock Inc Valuation – March 2018 \\$BLK](#)
 - [Ameriprise Financial Inc Valuation – March 2018 \\$AMP](#)
 - [Navient Corp Valuation – March 2018 \\$NAVI](#)
 - [Invesco Ltd Valuation – March 2018 \\$IVZ](#)