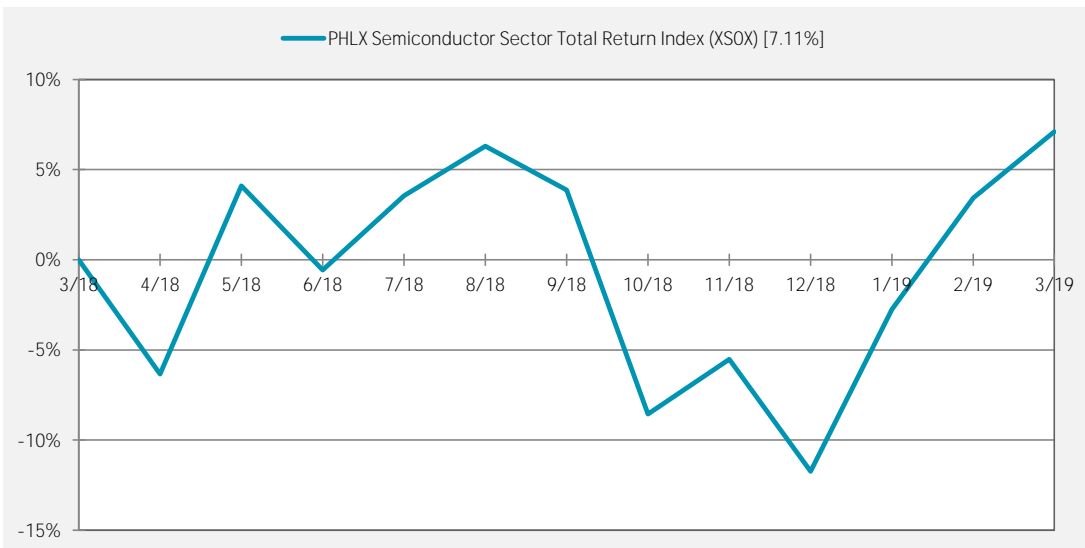


PHLX Semiconductor Sector Index

The PHLX Semiconductor Sector Index is designed to track the performance of a set of companies engaged in the design, distribution, manufacture, and sale of semiconductors.

More information about the Index can be found at <https://indexes.nasdaqomx.com/Index/Overview/SOX>

1-YEAR PERFORMANCE



QUICK FACTS

Securities: 30
 Currency: USD
 History: 12/01/1993
 YTD Return: 21.35%

INDEX TICKERS

Price Return: SOX
 Total Return: XSOX
 Net Total Return:

TOP 10 SECURITIES BY WEIGHT

TICKER	SECURITY	WEIGHT
NVDA	NVIDIA CORPORATION	9.00%
AVGO	BROADCOM INC.	8.44%
QCOM	QUALCOMM INC	8.26%
INTC	INTEL CORP	7.84%
TXN	TEXAS INSTRUMENTS	7.75%
AMD	ADV MICRO DEVICES	4.19%
TSM	TAIWAN SEMICONDS	4.05%
AMAT	APPLIED MATERIALS	4.00%
LRCX	LAM RESEARCH CORP	3.93%
XLNX	XILINX; INC.	3.91%

INDUSTRY BREAKDOWN

INDUSTRY	WEIGHT	SECURITIES
Oil & Gas	0.00%	0
Basic Materials	0.00%	0
Industrials	0.00%	0
Consumer Goods	0.00%	0
Health Care	0.00%	0
Consumer Services	0.00%	0
Telecommunications	0.00%	0
Utilities	0.00%	0
Financials	0.00%	0
Technology	100.00%	30

PERFORMANCE(TR Version)

ANNUAL

1 Year	7.11%
2 Year	33.58%
3 Year	52.18%
4 Year	-0.73%
5 Year	20.57%
6 Year	36.88%
7 Year	1.34%
8 Year	1.69%
9 Year	20.83%
10 Year	61.13%

CUMULATIVE

1 Year	7.11%
2 Year	43.08%
3 Year	117.73%
4 Year	116.14%
5 Year	160.60%
6 Year	256.71%
7 Year	261.51%
8 Year	267.63%
9 Year	344.20%
10 Year	615.74%

ANNUALIZED

1 Year	7.11%
2 Year	19.62%
3 Year	29.61%
4 Year	21.25%
5 Year	21.11%
6 Year	23.61%
7 Year	20.15%
8 Year	17.67%
9 Year	18.02%
10 Year	21.75%

ANNUALIZED VOLATILITY(TR Version)

ANNUAL

1 Year	27.83%
2 Year	22.56%
3 Year	19.37%
4 Year	24.34%
5 Year	20.22%
6 Year	17.04%
7 Year	22.27%
8 Year	31.08%
9 Year	28.37%
10 Year	31.00%

CUMULATIVE

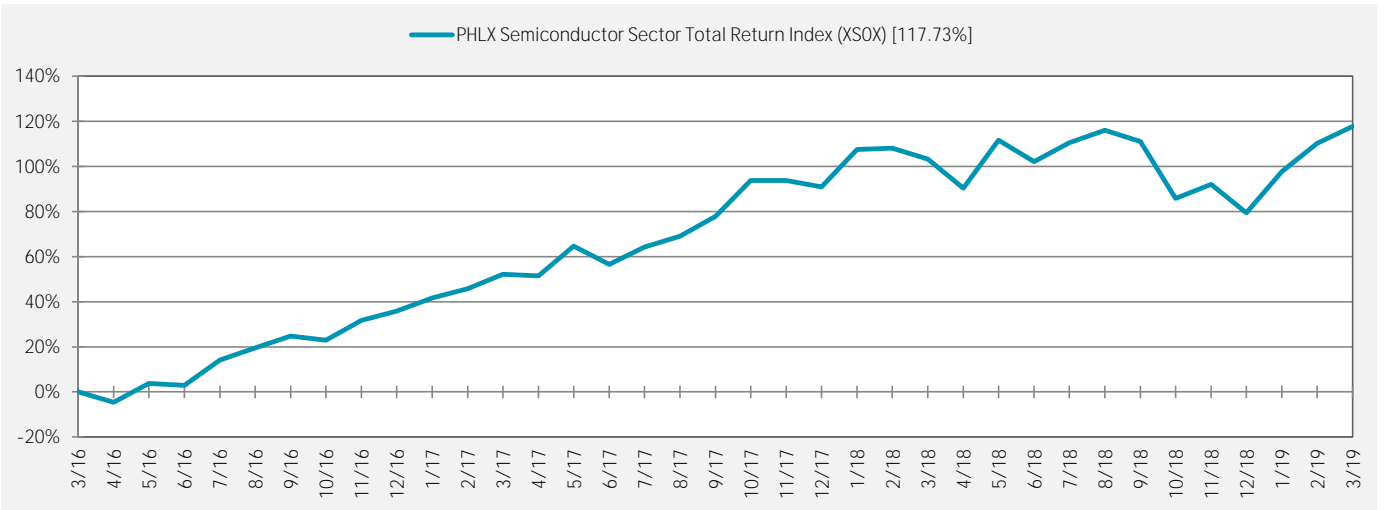
1 Year	27.83%
2 Year	25.18%
3 Year	23.39%
4 Year	23.64%
5 Year	23.00%
6 Year	22.10%
7 Year	22.12%
8 Year	23.43%
9 Year	24.03%
10 Year	24.83%

PERFORMANCE(TR Version)

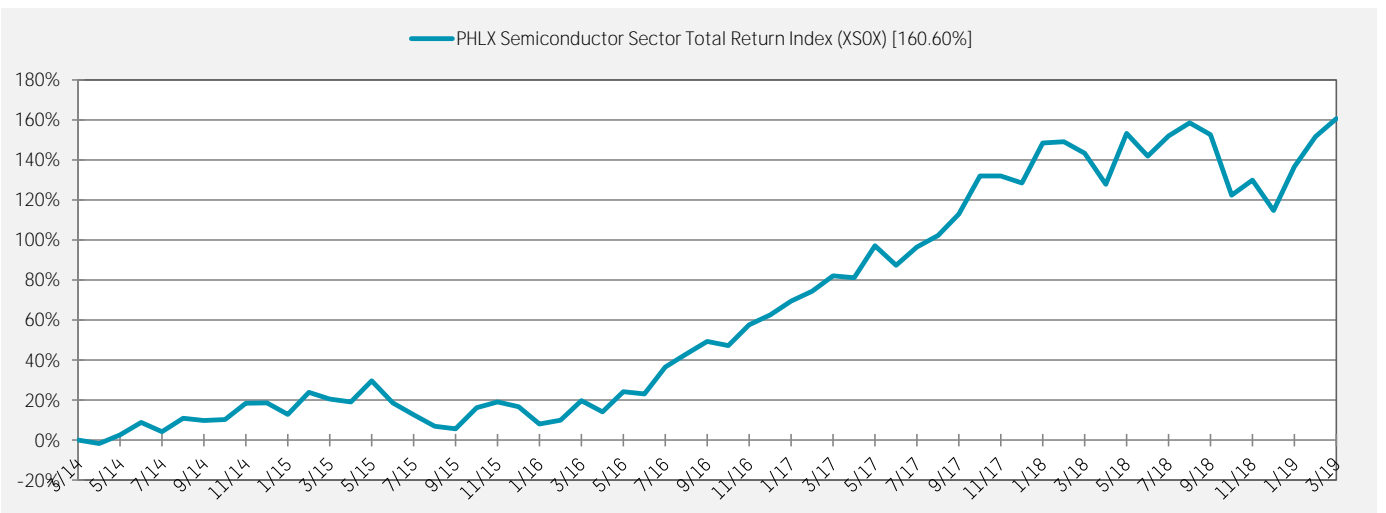
CALENDER YEAR

2019	21.35%
2018	-6.05%
2017	40.54%
2016	39.32%
2015	-1.59%
2014	30.61%
2013	41.84%
2012	7.21%
2011	-10.30%
2010	15.90%

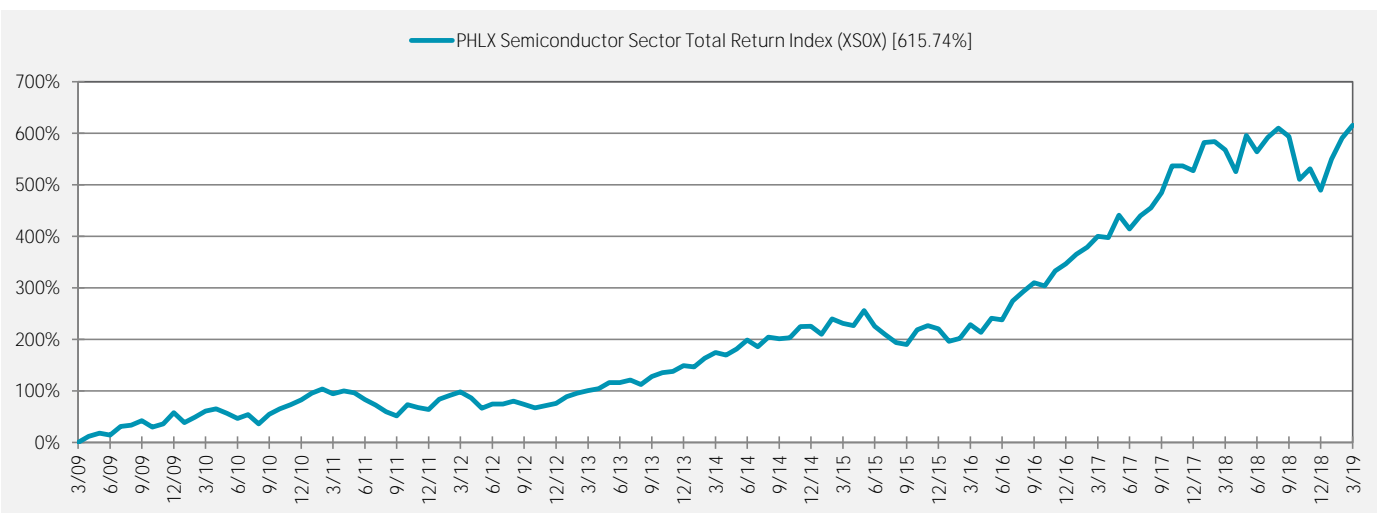
3-YEAR PERFORMANCE



5-YEAR PERFORMANCE



10-YEAR PERFORMANCE



MONTHLY PERFORMANCE(TR Version)

Mar 2019	3.56%	Nov 2015	2.51%	Jul 2012	-0.12%
Feb 2019	6.34%	Oct 2015	9.99%	Jun 2012	4.68%
Jan 2019	10.19%	Sep 2015	-1.28%	May 2012	-10.66%
Dec 2018	-6.58%	Aug 2015	-5.14%	Apr 2012	-5.71%
Nov 2018	3.32%	Jul 2015	-4.97%	Mar 2012	3.42%
Oct 2018	-11.97%	Jun 2015	-8.50%	Feb 2012	3.96%
Sep 2018	-2.28%	May 2015	8.87%	Jan 2012	12.26%
Aug 2018	2.65%	Apr 2015	-1.24%	Dec 2011	-2.36%
Jul 2018	4.15%	Mar 2015	-2.61%	Nov 2011	-3.16%
Jun 2018	-4.49%	Feb 2015	9.70%	Oct 2011	14.12%
May 2018	11.14%	Jan 2015	-4.86%	Sep 2011	-4.76%
Apr 2018	-6.33%	Dec 2014	0.23%	Aug 2011	-7.78%
Mar 2018	-2.33%	Nov 2014	7.28%	Jul 2011	-5.67%
Feb 2018	0.26%	Oct 2014	0.44%	Jun 2011	-6.48%
Jan 2018	8.71%	Sep 2014	-0.99%	May 2011	-2.00%
Dec 2017	-1.46%	Aug 2014	6.50%	Apr 2011	2.82%
Nov 2017	0.00%	Jul 2014	-4.32%	Mar 2011	-4.61%
Oct 2017	8.93%	Jun 2014	6.14%	Feb 2011	4.31%
Sep 2017	5.24%	May 2014	4.40%	Jan 2011	7.00%
Aug 2017	2.93%	Apr 2014	-1.76%	Dec 2010	5.58%
Jul 2017	4.91%	Mar 2014	4.13%	Nov 2010	4.90%
Jun 2017	-4.97%	Feb 2014	6.84%	Oct 2010	6.74%
May 2017	8.79%	Jan 2014	-1.03%	Sep 2010	13.60%
Apr 2017	-0.51%	Dec 2013	4.92%	Aug 2010	-11.64%
Mar 2017	4.42%	Nov 2013	0.93%	Jul 2010	5.22%
Feb 2017	2.90%	Oct 2013	3.39%	Jun 2010	-6.54%
Jan 2017	4.24%	Sep 2013	7.29%	May 2010	-5.24%
Dec 2016	3.15%	Aug 2013	-3.92%	Apr 2010	2.63%
Nov 2016	7.14%	Jul 2013	2.28%	Mar 2010	8.20%
Oct 2016	-1.45%	Jun 2013	0.00%	Feb 2010	7.44%
Sep 2016	4.32%	May 2013	5.75%	Jan 2010	-12.15%
Aug 2016	4.83%	Apr 2013	1.83%	Dec 2009	16.11%
Jul 2016	10.91%	Mar 2013	2.40%	Nov 2009	4.82%
Jun 2016	-0.86%	Feb 2013	3.64%	Oct 2009	-8.90%
May 2016	8.75%	Jan 2013	7.52%	Sep 2009	6.42%
Apr 2016	-4.60%	Dec 2012	2.67%	Aug 2009	1.73%
Mar 2016	8.88%	Nov 2012	2.31%	Jul 2009	14.71%
Feb 2016	1.75%	Oct 2012	-3.93%	Jun 2009	-2.82%
Jan 2016	-7.45%	Sep 2012	-3.47%	May 2009	5.27%
Dec 2015	-1.93%	Aug 2012	3.52%	Apr 2009	12.02%

QUARTERLY PERFORMANCE(TR Version)

Q1 2019	21.35%
Q4 2018	-15.03%
Q3 2018	4.47%
Q2 2018	-0.57%
Q1 2018	6.45%
Q4 2017	7.34%
Q3 2017	13.64%
Q2 2017	2.87%
Q1 2017	12.00%
Q4 2016	8.92%
Q3 2016	21.30%
Q2 2016	2.84%
Q1 2016	2.54%
Q4 2015	10.57%
Q3 2015	-11.01%
Q2 2015	-1.61%
Q1 2015	1.65%
Q4 2014	8.00%
Q3 2014	0.89%
Q2 2014	8.86%
Q1 2014	10.11%
Q4 2013	9.48%
Q3 2013	5.44%
Q2 2013	7.69%
Q1 2013	14.10%
Q4 2012	0.93%
Q3 2012	-0.20%
Q2 2012	-11.82%
Q1 2012	20.70%
Q4 2011	7.91%
Q3 2011	-17.15%
Q2 2011	-5.77%
Q1 2011	6.47%
Q4 2010	18.22%
Q3 2010	5.62%
Q2 2010	-9.11%
Q1 2010	2.12%
Q4 2009	10.86%
Q3 2009	24.19%
Q2 2009	14.60%

All Information as of 03/29/2019.

Sources: Nasdaq Global Indexes Research. Bloomberg. FactSet.

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