

MSCI Japan Minimum Volatility (JPY) Index (JPY)

The **MSCI Japan Minimum Volatility (JPY) Index** aims to reflect the performance characteristics of a minimum variance strategy applied to the large and mid cap Japan equity universe. The index is calculated by optimizing the MSCI Japan Index, its parent index, in JPY for the lowest absolute risk (within a given set of constraints). Historically, the index has shown lower beta and volatility characteristics relative to the MSCI Japan Index.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (JPY) (MAR 2009 – MAR 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Japan Min Vol (JPY)	MSCI Japan
2023	23.53	29.04
2022	0.27	-4.10
2021	7.10	13.81
2020	-2.96	9.17
2019	11.31	18.94
2018	-6.16	-14.85
2017	14.45	20.14
2016	0.94	-0.40
2015	16.67	10.27
2014	16.02	9.83
2013	45.01	54.80
2012	14.69	21.78
2011	-8.04	-18.59
2010	-0.38	0.71

INDEX PERFORMANCE – GROSS RETURNS (%) (MAR 29, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 1988
					3 Yr	5 Yr	10 Yr		
MSCI Japan Min Vol (JPY)	3.03	12.17	33.38	12.17	12.24	8.80	9.38	3.26	
MSCI Japan	4.31	19.34	43.51	19.34	15.58	15.15	11.26	2.43	

FUNDAMENTALS (MAR 29, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.32	16.23	16.06	1.47
1.92	16.87	15.94	1.63

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 1988 – MAR 29, 2024)

				ANNUALIZED STD DEV (%) 2			SHARPE RATIO 2, 3				MAXIMUM DRAWDOWN	
	Beta	Tracking Error (%)	Turnover (%) 1	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since May 31, 1988	(%)	Period YYYY-MM-DD
MSCI Japan Min Vol (JPY)	0.75	6.49	21.08	9.64	11.70	11.59	1.25	0.78	0.84	0.22	52.29	1989-12-29—2003-03-11
MSCI Japan	1.00	0.00	3.45	12.83	14.66	15.07	1.19	1.04	0.79	0.16	68.79	1989-12-29—2003-04-28

¹ Last 12 months

² Based on monthly gross returns data

³ Based on JBA TIBOR 1M from Sep 1 2021 & on ICE LIBOR 1M prior that date

The MSCI Japan Minimum Volatility (JPY) Index was launched on Feb 25, 2011. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

INDEX CHARACTERISTICS

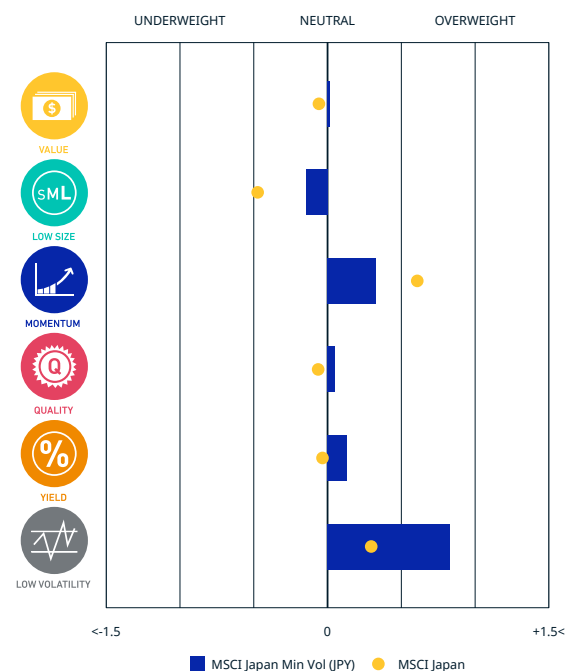
	MSCI Japan Min Vol (JPY)	MSCI Japan
Number of Constituents	135	218
	Weight (%)	
Largest	1.91	6.67
Smallest	0.04	0.04
Average	0.74	0.46
Median	0.61	0.23

TOP 10 CONSTITUENTS

	Index Wt. (%)	Parent Index Wt. (%)	Sector
TOYOTA MOTOR CORP	1.91	6.67	Cons Discr
TOKIO MARINE HOLDINGS	1.74	1.41	Financials
MITSUBISHI UFJ FIN GRP	1.71	2.87	Financials
CANON INC	1.71	0.75	Info Tech
NINTENDO CO	1.69	1.41	Comm Svcs
SUMITOMO MITSUI FINL GRP	1.67	1.88	Financials
MIZUHO FINANCIAL GROUP	1.66	1.22	Financials
CHUGAI PHARMACEUTICAL CO	1.66	0.64	Health Care
JAPAN POST HOLDINGS CO	1.63	0.53	Financials
OTSUKA HOLDINGS CO	1.61	0.44	Health Care
Total	16.98	17.80	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



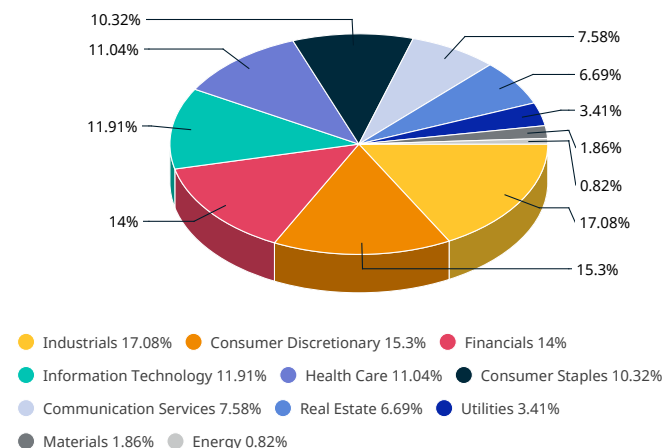
MSCI FaCS

- VALUE**
Relatively Inexpensive Stocks
- LOW SIZE**
Smaller Companies
- MOMENTUM**
Rising Stocks
- QUALITY**
Sound Balance Sheet Stocks
- YIELD**
Cash Flow Paid Out
- LOW VOLATILITY**
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

ABOUT MSCI

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