MSCI Japan Minimum Volatility (USD) Index (USD)

The MSCI Japan Minimum Volatility (USD) 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 USD 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 — NET RETURNS (USD) (OCT 2009 – OCT 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Japan Min Vol (USD)	MSCI Japan
2023	15.59	20.32
2022	-12.14	-16.65
2021	-3.94	1.71
2020	1.01	14.48
2019	12.44	19.61
2018	-5.44	-12.88
2017	20.52	23.99
2016	2.84	2.38
2015	16.60	9.57
2014	1.36	-4.02
2013	20.06	27.16
2012	3.14	8.18
2011	-3.56	-14.33
2010	14.72	15.44

INDEX PERFORMANCE – NET RETURNS (%) (OCT 31, 2024)

FUNDAMENTALS (OCT 31, 2024)

					ANNUALIZED							
	1 Mo	3 Мо	1 Yr	YTD	3 Yr	5 Yr	10 Yr _M	Since lay 31, 2001	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Japan Min Vol (USD)	-4.62	-2.32	17.33	6.59	2.31	1.02	4.70	4.23	2.47	14.87	14.28	1.36
MSCI Japan	-3.90	-3.96	22.33	7.97	2.48	5.30	6.09	3.70	2.20	15.15	14.35	1.46

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2001 - OCT 31, 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, 2001	(%)	Period YYYY-MM-DD	
MSCI Japan Min Vol (USD)	0.74	6.49	22.11	13.59	13.49	11.78	-0.03	-0.03	0.30	0.25	39.68	2007-02-27-2009-03-12	
MSCI Japan	1.00	0.00	4.11	16.15	15.81	14.09	0.01	0.26	0.37	0.20	53.17	2006-05-08-2009-03-10	
	¹ Last	¹ Last 12 months ² Based on monthly net returns data ³ Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date											

The MSCI Japan Minimum Volatility (USD) Index was launched on Feb 18, 2014. 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.



OCT 31, 2024 Index Factsheet

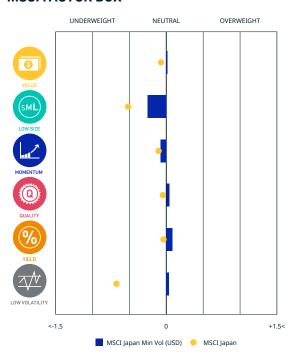
INDEX CHARACTERISTICS

	MSCI Japan Min Vol (USD)	MSCI Japan				
Number of	134	198				
Constituents						
	Weight (%)					
Largest	2.16	4.80				
Smallest	0.04	0.06				
Average	0.75	0.51				
Median	0.62	0.26				

TOP 10 CONSTITUENTS

	Wt. (%)	Index Wt. (%)	Sector
OTSUKA HOLDINGS CO	2.16	0.68	Health Care
CHUGAI PHARMACEUTICAL CO	1.86	0.86	Health Care
HITACHI	1.83	3.17	Industrials
CANON INC	1.73	0.81	Info Tech
SECOM CO	1.66	0.40	Industrials
KDDI	1.66	1.28	Comm Srvcs
DAIWA HOUSE INDUSTRY	1.66	0.45	Real Estate
TOKIO MARINE HOLDINGS	1.65	1.82	Financials
EAST JAPAN RAILWAY CO	1.64	0.49	Industrials
MITSUBISHI UFJ FIN GRP	1.58	3.15	Financials
Total	17.43	13.10	

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



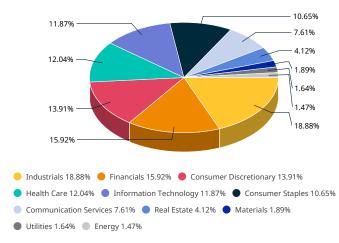
LOW VOLATILITY
Lower Risk Stocks

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





OCT 31, 2024 Index Factsheet

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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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