

FTSE Japan Minimum Variance Index

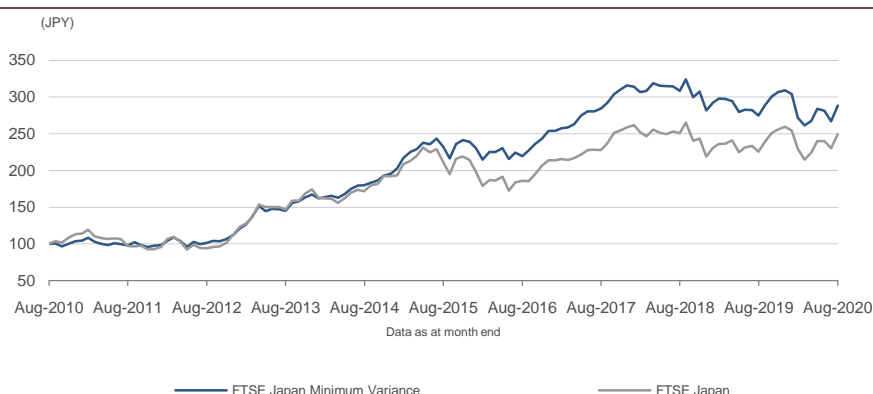
Data as at: 31 August 2020

The FTSE Japan Minimum Variance Index aims to deliver reduced index volatility based on historical return information, thereby offering potential improvements to the risk reward trade-off, whilst maintaining full allocation to the relevant equity market.

Reduced volatility is achieved by applying a transparent rules-based approach which minimizes historical variance subject to additional constraints on the weight of individual stocks within the index, and, at aggregate level on the weight of industries represented in the index.

Constituents of the FTSE Japan Minimum Variance Index are selected from the FTSE Japan Index at the time of the bi-annual review. Aspects such as index reviews and company classification are governed by the FTSE All-World Index Series Ground Rules.

10-Year Performance - Total Return



Performance and Volatility - Total Return

Index (JPY)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE Japan Minimum Variance	1.4	6.0	-6.9	4.8	1.3	24.1	0.4	4.4	19.1	15.6	14.0
FTSE Japan	4.0	8.7	-3.8	10.6	9.6	18.1	3.1	3.4	21.1	18.4	16.8

* Compound annual returns measured over 3 and 5 years respectively

** Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

Year-on-Year Performance - Total Return

Index % (JPY)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
FTSE Japan Minimum Variance	0.6	-5.6	14.9	49.1	16.9	22.3	6.3	24.3	-10.8	9.9
FTSE Japan	0.5	-18.0	21.5	54.8	10.3	11.5	-0.3	21.0	-15.3	18.3

FEATURES

Methodology

The approach applies a rules-based strategy to minimise volatility. Some constraints are applied, for example, to avoid over concentration in any particular stock or sector.

Objective

The index is designed for use in the creation of index tracking funds, derivatives and as a performance benchmark.

Investability

Stocks in the underlying universe are free-float weighted to ensure that only the investable opportunity set is included.

Liquidity

Stocks in the underlying universe are screened to ensure that the index is tradable.

Transparency

The index uses a transparent, rules-based construction process. Index Rules are freely available on the FTSE website.

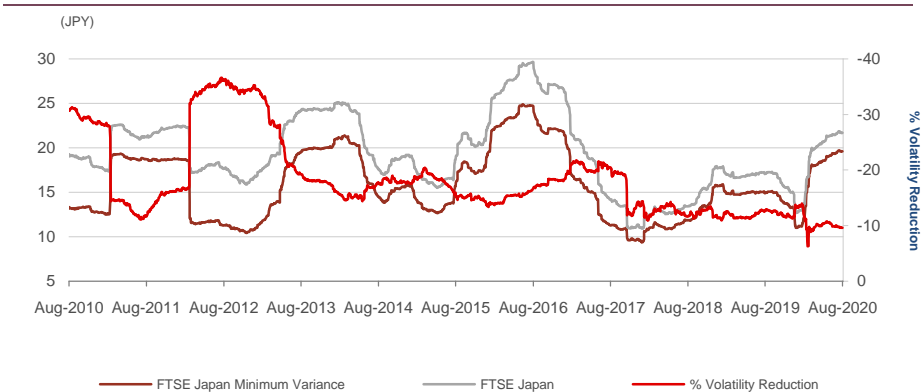
Availability

The index is calculated based on price and total return methodologies, both real time and end-of-day.

Industry Classification Benchmark

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis.

Annualised Rolling 252 Day Volatility - Total Return



Return/Risk Ratio and Drawdown - Total Return

Index (JPY)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Japan Minimum Variance	0.2	0.1	0.3	0.8	-28.1	-30.7	-30.7	-30.7
FTSE Japan	0.5	0.2	0.2	0.6	-28.7	-31.3	-31.3	-31.3

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table

Drawdown - based on daily data

Top 10 Constituents - FTSE Japan Minimum Variance Index

Constituent	ICB Sector	FTSE Japan Minimum Variance (Wgt %)	FTSE Japan (Wgt %)	Diff %
SG Holdings	Industrial Transportation	1.24	0.25	0.99
Chugoku Electric Power	Electricity	1.07	0.10	0.97
Yamada Denki	General Retailers	1.06	0.11	0.95
Kyushu Elec Power	Electricity	1.03	0.11	0.92
Skylark Holdings	Travel & Leisure	1.01	0.08	0.93
Mizuho Financial Group	Banks	1.01	0.90	0.11
NEC	Technology Hardware & Equipment	1.01	0.34	0.67
Japan Post Holdings	Life Insurance/Assurance	0.94	0.26	0.68
Toyo Suisan Kaisha	Food Producers	0.92	0.13	0.79
Nitori Holdings	General Retailers	0.90	0.41	0.49
Totals		10.19	2.69	

INFORMATION

Index Universe

FTSE Japan Index

Index Launch

July 2012

Base Date

18 June 2012

Base Value

100

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

Real time and end of day

End-of-Day Distribution

Via FTP and email

Currency

USD, Euro, GBP, JPY, AUD, Local

Review Dates

March and September

History

Available from September 2001

ICB Supersector Breakdown

ICB Code	ICB Supersector	FTSE Japan Minimum Variance		FTSE Japan		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
0500	Oil & Gas	2	0.25	5	0.64	-0.39
1300	Chemicals	14	2.85	32	4.34	-1.50
1700	Basic Resources	5	1.67	13	1.00	0.67
2300	Construction & Materials	16	3.47	25	3.19	0.28
2700	Industrial Goods & Services	43	13.05	100	20.61	-7.55
3300	Automobiles & Parts	15	3.43	28	9.06	-5.63
3500	Food & Beverage	24	8.62	30	3.27	5.35
3700	Personal & Household Goods	23	7.91	39	10.85	-2.94
4500	Health Care	18	5.86	38	11.40	-5.55
5300	Retail	27	12.82	38	4.80	8.02
5500	Media	5	1.10	11	0.72	0.39
5700	Travel & Leisure	23	7.33	28	4.52	2.81
6500	Telecommunications	5	2.53	6	6.26	-3.73
7500	Utilities	12	6.69	12	1.54	5.15
8300	Banks	15	6.09	28	4.92	1.17
8500	Insurance	5	3.27	7	2.38	0.89
8600	Real Estate	9	2.93	11	1.79	1.14
8700	Financial Services	9	1.84	17	2.06	-0.23
9500	Technology	24	8.30	38	6.66	1.65
Totals		294	100.00	506	100.00	

Index Characteristics

Attributes	FTSE Japan Minimum Variance	FTSE Japan
Number of constituents	294	506
Dividend Yield %	2.51	2.35
Constituent (Wgt %)		
Average	0.34	0.20
Largest	1.24	4.26
Median	0.27	0.08
Top 10 Holdings (Wgt %)	10.19	19.75

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