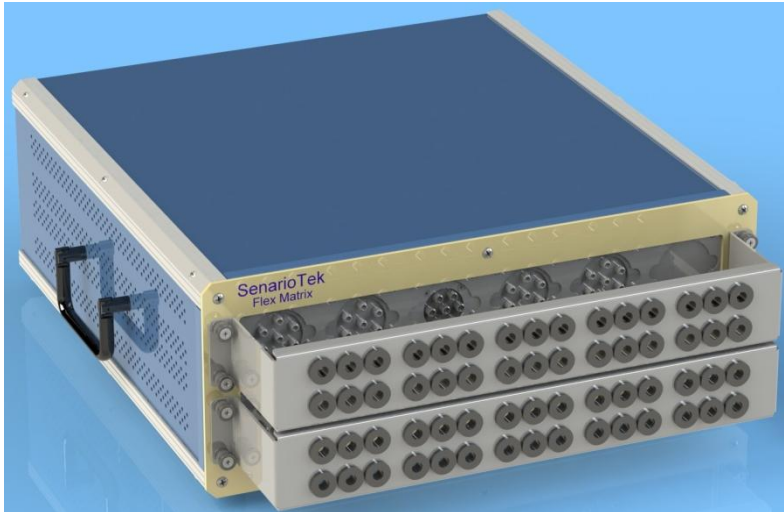


FlexMatrix Series

Differential RF Switch Matrix Family

Reduce Your Signal Integrity Testing Complexity & Improve Reliability



REQUEST A QUOTE

- Delay matching to ± 1 ps
- Frequencies up to 40 GHz
- Easy de-embedding with onboard correction files
- Fast delivery, no NRE

Key Benefits:

- Minimize path delay across differential pairs
- Achieve test system-to-test system repeatability with a common test platform
- Fully documented and supported

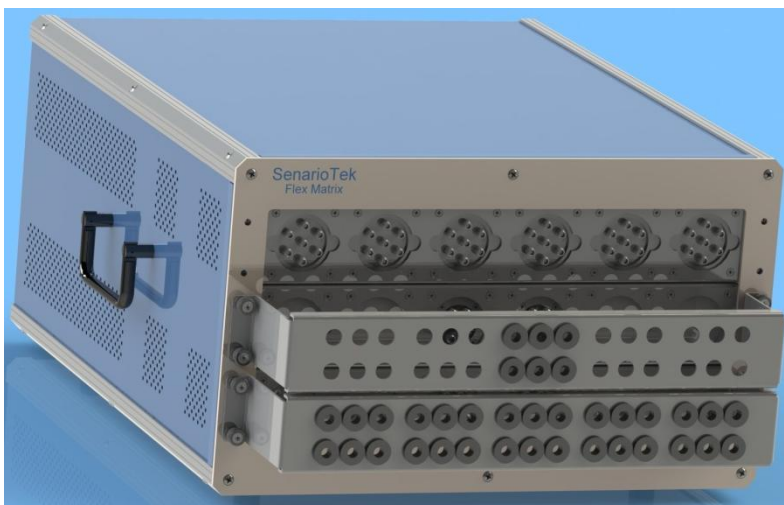
Key Features:

- Available in frequencies from DC to 6, 26.5 or 40 GHz
- Dual 1 by 4, 8, 12, 16, or 32 ports
- Over 10 million switching cycles for un-terminated (2.5 million for terminated)
- Output ports delay matched in pairs to ± 1.0 ps (optional across all paths)
- Optional integrated 36" cables with delay match (pairs) to ± 2.0 ps at DUT interface
- Optional strain relief cable system offers enhanced structural integrity and measurement stability
- Optional terminated receive path input ports
- Optional rack mount kit
- Guaranteed on-time delivery, 16 weeks ARO typical
- Three-year standard warranty

Easy Remote Control Interface:

- SCPI compatible switch commands
- Switch lifecycle counter
- Switch path queries
- Intuitive switch/path control
- Available with LAN, GPIB or USB interface

The FlexMatrix Differential RF Switch Matrix Series offers dual one by 4, 8, 12, 16 or 32 port solutions to speed time-to-market for products using the latest standards such as PCI Express, IEEE 1394, USB 3.0, InfiniBand and gigabit Ethernet. The Differential Series offers high performance, including delay matching for transmitter measurements as low as 2 picoseconds at the DUT interface. Each switch matrix contains on-board internal memory providing the ability to conveniently de-embed the nominal amplitude and phase delay of each differential pair. With products from DC up to 40 GHz, the Differential Series enables high-speed designers to accelerate the development of both today's standards and future standards.



	6 GHz	26.5 GHz	40 GHz
VSWR	1.4:1	2:1	2.1:1
Insertion Loss (dB)	0.5	1.5	3
Isolation (dB)	90	70	60
Repeatability (dB)	± 0.06 Max	± 0.06 Max	± 0.1 Max
Max Hot Switch Input Power (W)	1	1	1
Individual Switch Speed (ms)	15	15	15
Switching Life Cycle (Unterminated)	10 Milion	10 Milion	2.5 Milion
Switching Life Cycle (Terminated)	2.5 Million	2.5 Million	2.5 Million
Connector Type	Precision SMA	Precision SMA	Precision 2.92 mm
Impedance	50 Ω	50 Ω	50 Ω

Differential Switch Matrix Models

(More configurations available and typically will not require NRE or extended delivery)

Frequency Range	# of Output Ports/Chan	Model # (Non-terminated)	Model # (Terminated)
DC - 6.0 GHz	4	DF010406	DF010406T
	8	DF010806	DF010806T
	12	DF011206	DF011206T
	16	DF011606	DF011606T
	32	DF013206	DF013206T
DC - 26.5 GHz	4	DF010426	DF010426T
	8	DF010826	DF010826T
	12	DF011226	DF011226T
	16	DF011626	DF011626T
	32	DF013226	DF013226T
DC - 40.0 GHz	4	DF010440	DF010440T
	8	DF010840	DF010840T
	12	DF011240	DF011240T
	16	DF011640	DF011640T
	32	DF013240	DF013240T

Differential Series Physical Dimensions

Dimension	4U (Up to 16 Ports)	6U (Up to 32 Ports)
A	19"	19"
B	7"	10.5"
Depth	20"	20"



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