

Keysight High Performance Electromechanical Transfer Switches

The Keysight Technologies, Inc. electromechanical transfer switches provide reliable switching in signal routing, switch matrices and ATE systems. With 0.03 dB insertion loss repeatability guaranteed up to 5 million cycles and exceptional isolation, Keysight transfer switches provide the performance you need from DC to 50 GHz.



Keysight 87222C/D/E

Superior performance with guaranteed specifications to 50 GHz

- Guaranteed performance
 < 0.03 dB insertion loss repeatability guaranteed for 5 million cycles
- Long operating life
 5 million cycles
- Low SWR
 Minimize measurement uncertainty
- Unique design
 Wiping action mechanism eliminates particle buildup to ensure reliable switching
- Broad frequency range
 DC to 26.5, 40, and 50 GHz

Product specifications

Model	Frequency (GHz)	Termination	Average power	Peak power	Isolation	Insertion loss	SWR	Speed	Life cycle	Driving voltage	RF connectors
87222C	DC to 26.5	Unterminated	1 W	50 W	40 dB	0.9 dB	1.65	15 ms	5 million	24 Vdc	SMA (f)
87222D	DC to 40	Unterminated	1 W	50 W	60 dB	1.2 dB	1.7	15 ms	5 million	24 Vdc	2.92 mm (f)
87222E	DC to 50	Unterminated	1 W	50 W	60 dB	1.15 dB	1.7	15 ms	5 million	24 Vdc	2.4 mm (f)

Keysight transfer switch option

Model	Option type	Option	Option description
87222C/	DC connectors	161	10-PIN DIP
87222D/		100	Soler terminals and 10-PIN DIP
87222E	Accessories	201	Mounting brackets; assembly required

For more details on the Keysight EM switches and ordering information see the “Keysight RF and Microwave Switch Selection Guide”, literature number 5989-6031EN.

For more information on Keysight switches, please visit www.keysight.com/find/switches

Download or order from www.keysight.com/find/mta

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