

## Product Datasheet - Technical Specifications



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# Keysight L-Series EM Switches



L7104A/B/C, L7204A/B/C, L7106A/B/C, L7206A/B/C and L7222C

Keysight's L-Series switches offer high-performance capability at a fraction of the cost. For example, 40% cheaper than Keysight's high-performance switches, the L-Series offers 0.03 dB insertion loss repeatability guaranteed up to 2 million cycles and exceptional isolation. Keysight's low-cost switches provide the performance you need from DC to 26.5 GHz.

Superior performance with guaranteed specifications to 26.5 GHz

- **Guaranteed performance:**  
< 0.03 dB insertion loss repeatability guaranteed for 2 million cycles
- **Long operating life:**  
5 million cycles (typical)
- **High isolation:**  
Typically > 85 dB at 26.5 GHz
- **Unique design:**  
Wiping action mechanism eliminates particle buildup to ensure reliable switching
- **Broad frequency range:**  
DC to 4, 20, or 26.5 GHz
- **Economical price:**  
Minimizes budgetary constraints

## RF &amp; microwave coaxial fixed attenuators

Model	Frequency	Termination	Average power	Peak power	Isolation	Insertion loss	SWR	Speed	Life cycle	Driving voltage	RF connectors
<b>SP4T</b>											
L7104A	DC to 4 GHz	Terminated	1 W	50 W	90 dB	0.36 dB	1.2	15 ms	2 million	24 Vdc	SMA (f)
L7204A	DC to 4 GHz	Unterminated	2 W	100 W	90 dB	0.36 dB	1.2	15 ms	2 million	24 Vdc	SMA (f)
L7104B	DC to 20 GHz	Terminated	1 W	50 W	90 dB	0.6 dB	1.45	15 ms	2 million	24 Vdc	SMA (f)
L7204B	DC to 20 GHz	Unterminated	2 W	100 W	90 dB	0.6 dB	1.45	15 ms	2 million	24 Vdc	SMA (f)
L7104C	DC to 26.5 GHz	Terminated	1 W	50 W	60 dB	0.7 dB	1.7	15 ms	2 million	24 Vdc	SMA (f)
L7204C	DC to 26.5 GHz	Unterminated	2 W	100 W	60 dB	0.7 dB	1.7	15 ms	2 million	24 Vdc	SMA (f)
<b>SP6T</b>											
L7106A	DC to 4 GHz	Terminated	1 W	50 W	90 dB	0.36 dB	1.2	15 ms	2 million	24 Vdc	SMA (f)
L7206A	DC to 4 GHz	Unterminated	2 W	100 W	90 dB	0.36 dB	1.2	15 ms	2 million	24 Vdc	SMA (f)
L7106B	DC to 20 GHz	Terminated	1 W	50 W	90 dB	0.6 dB	1.45	15 ms	2 million	24 Vdc	SMA (f)
L7206B	DC to 20 GHz	Unterminated	2 W	100 W	90 dB	0.6 dB	1.45	15 ms	2 million	24 Vdc	SMA (f)
L7106C	DC to 26.5 GHz	Terminated	1 W	50 W	60 dB	0.7 dB	1.7	15 ms	2 million	24 Vdc	SMA (f)
L7206C	DC to 26.5 GHz	Unterminated	2 W	100 W	60 dB	0.7 dB	1.7	15 ms	2 million	24 Vdc	SMA (f)
<b>Transfer</b>											
L7222C	DC to 26.5 GHz	Unterminated	1 W	60 W	57 dB	0.9 dB	1.65	15 ms	2 million	24 Vdc	SMA (f)

**Three-Year Warranty**

[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

**Keysight Assurance Plans**

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Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.



## L-Series EM switch options

Model	Option type	Option	Option description
L7104A/ L7204A/ L7104B/ L7204B/ L7104C/ L7204C/ L7106A/ L7206A/ L7106B/ L7206B/ L7106C/ L7206C	Control logic	T24	TTL/5V CMOS compatible logic with 24 Vdc supply
		024	24 Vdc
L7106A/ L7206A/ L7106B/ L7206B/ L7106C/ L7206C	DC connectors	161	Ribbon receptacle
		100	Solder terminals
L7222C	DC connectors	161	10-PIN DIP
		100	Solder terminals and 10-PIN DIP
	Accessories	201	Mounting brackets; assembly required