



RF MICROWAVE SWITCH (ABSORPTIVE)

FEATURES:

- *SP1T to SP10T
- *Available from 5MHz-20GHz
- *High Isolation to 85dB
- *Excellent Insertion Loss & VSWR
- *Integral TTL Drivers
- *30nS Typical Switching Speed: 10% TTL to 90% RF

APPLICATIONS:

- *Wave Shaping
- *Pulse Modulation
- *Receiver Protection

LAS Series

DESCRIPTIONS:

LTC MICROWAVE LAS series PIN Diode Switches are Absorptive switches that combine low loss, high isolation performance with an integral TTL driver in a compact package. Various driver options are available. The switches are also available in higher isolation versions up to 85dB. These switches can also be supplied without drivers.

SPECIFICATIONS:

LAS1 (SP1T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS1U5021165S	0.5-2.0	1.1	65	1.5:1	SMA-F	*
LAS102041265S	2.0-4.0	1.2	65	1.6:1	SMA-F	*
LAS104081365S	4.0-8.0	1.3	65	1.6:1	SMA-F	*
LAS108121965S	8.0-12.0	1.9	65	1.7:1	SMA-F	*
LAS112202565S	12.0-20.0	2.5	65	2.0:1	SMA-F	*
LAS1U5202565S	0.5-20.0	2.5	65	2.0:1	SMA-F	*

LAS2 (SP2T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS2U5021170S	0.5-2.0	1.1	70	1.5:1	SMA-F	*
LAS202041265S	2.0-4.0	1.2	65	1.6:1	SMA-F	*
LAS202183560S	2.0-18.0	3.5	60	2.0:1	SMA-F	*
LAS204181365S	4.0-8.0	1.3	65	1.7:1	SMA-F	*
LAS208121860S	8.0-12.0	1.8	60	1.7:1	SMA-F	*
LAS212202660S	12.0-20.0	2.6	60	2.0:1	SMA-F	*
LAS2U5202660S	0.5-20.0	2.6	60	2.0:1	SMA-F	*

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LAS3 (SP3T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS3U5021170S	0.5-2.0	1.1	70	1.5:1	SMA-F	*
LAS302041365S	2.0-4.0	1.3	65	1.6:1	SMA-F	*
LAS304081765S	4.0-8.0	1.7	65	1.7:1	SMA-F	*
LAS308122260S	8.0-12.0	2.2	60	1.8:1	SMA-F	*
LAS312203260S	12.0-20.0	3.2	60	2.0:1	SMA-F	*
LAS3U5203260S	0.5-20.0	3.2	60	2.0:1	SMA-F	*

LAS4 (SP4T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS4U5021370S	0.5-2.0	1.3	70	1.5:1	SMA-F	*
LAS402041565S	2.0-4.0	1.5	65	1.6:1	SMA-F	*
LAS404081765S	4.0-8.0	1.7	65	1.7:1	SMA-F	*
LAS408122860S	8.0-12.0	2.8	60	1.8:1	SMA-F	*
LAS412203460S	12.0-20.0	3.4	60	2.0:1	SMA-F	*
LAS4U5203460S	0.5-20.0	3.4	60	2.0:1	SMA-F	*
LAS4M7144080S	0.07-14.5	4.0	80	2.0:1	SMA-F	*

LAS5 (SP5T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS5U5021570S	0.5-2.0	1.5	70	1.5:1	SMA-F	*
LAS502041865S	2.0-4.0	1.8	65	1.6:1	SMA-F	*
LAS504082065S	4.0-8.0	2.0	65	1.7:1	SMA-F	*
LAS508122960S	8.0-12.0	2.9	60	2.0:1	SMA-F	*
LAS512203460S	12.0-20.0	3.4	60	2.0:1	SMA-F	*
LAS5U5203460S	0.5-20.0	3.4	60	2.0:1	SMA-F	*

LAS7 (SP7T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS7U5021670S	0.5-2.0	1.6	70	1.8:1	SMA-F	*
LAS702183960S	2.0-18.0	3.9	60	2.0:1	SMA-F	*

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LAS8 (SP8T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS8U5021870S	0.5-2.0	1.8	70	1.8:1	SMA-F	*
LAS802184260S	2.0-18.0	4.2	60	2.0:1	SMA-F	*
LAS802184760S	2.0-18.0	4.7	60	2.0:1	SMA-F	*
LAS802186055S	2.0-18.0	6	55	2.0:1	SMA-F	*

LAS10 (SP10T): Absorptive

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Typ	Isolation (dB) Min	VSWR (In/Out) Max	Connectors	Size
LAS10M7147080S	0.07-14.5	7.0	80	2.0:1	SMA-F	*
LAS10U5022570S	0.5-2.0	2.5	70	1.8:1	SMA-F	*
LAS1002186560S	2.0-18.0	6.5	60	2.0:1	SMA-F	*

*CONSULT THE FACTORY.

LTC MICROWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.